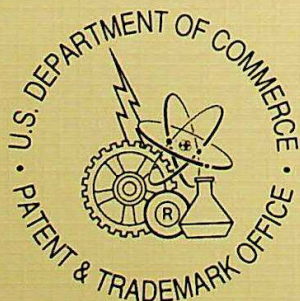


**United States
Patent Classification
To
International
Patent Classification**

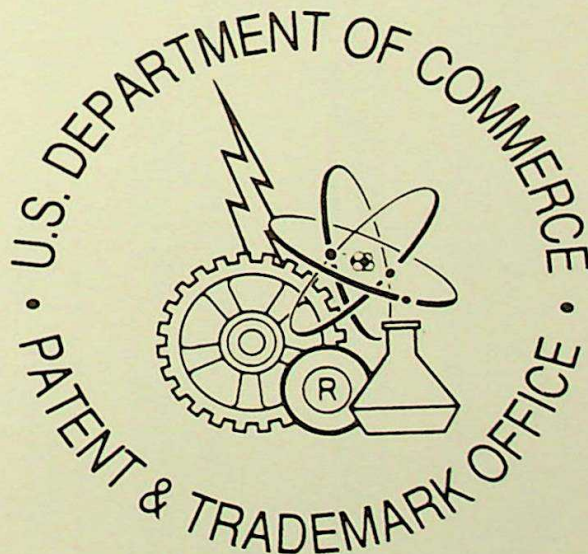
**CONCORDANCE
1990 EDITION**



U.S. Department of Commerce • Patent and Trademark Office

CONCORDANCE 1990 EDITION

United States Patent Classification to International Patent Classification



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Patent Documentation Organizations

CONCORDANCE
1980 EDITION

United States
Patent
Classification
to
International
Patent
Classification



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Patent Documentation Organization

PREFACE

This Concordance is a guide for relating the United States Patent Classification System to the Fifth Edition of the International Patent Classification (IPC) as published for the World Intellectual Property Organization by Carl Heymanns Verlag KG, Munich.

Because of the difference in philosophies of the two systems, a complete one-to-one relationship has not been attained. Even where a single IPC notation is listed for a single U.S. subclass, a one-to-one translation should not be inferred.

As a result, an IPC group listed in this Concordance may be only a guide to a field of adjacent groups within the whole of which a different group may be found which is more closely aligned to the subject matter under consideration by the user.

Suggestions or inquiries relating to the content of this publication should be directed to:

COMMISSIONER OF PATENTS AND TRADEMARKS

ATTENTION: Administrator for Documentation
Washington, D.C. 20231

The present edition relates the U.S. Patent Classification, as revised through June 1989, (Classification Order No. 1288) to the Fifth Edition of the IPC.

NOTES

This Commission is a study for relating the United States Patent System to the First Edition of the International Patent Classification (IPC) as published by the World Intellectual Property Organization (WIPO) in 1968.

Because of the difference in philosophy of the two systems, a one-to-one relationship has not been achieved. In some cases, a notation is listed for a single U.S. patent, a one-to-many relationship, and not be indicated.

As a result, an IPC group listed in the Commission may be made a group in the field of adjacent groups within the same or within a different group may be found which is more closely aligned to the subject matter under consideration by the user.

Suggestions or inquiries relating to the content of this publication should be directed to:

COMMISSIONER OF PATENTS AND TRADEMARKS
ATTENTION: Administration for Patent Classification
Washington, D.C. 20530

The present edition relates to the U.S. Patent Classification as revised through June 1988 (Classification Order No. 1335) to the First Edition (1968).

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 2			123	A 41 B	7/00	267,268	A 41 D	27/26	265,266	A 61 J	19/04	447	A 61 H	35/00
APPAREL			124	A 41 B	7/04	269,270	A 41 D	27/10	267-285	A 61 J	19/00		E 03 D	9/08
1	A 41 D	13/00			7/06	271	A 41 D	27/22	286,287	A 47 K	1/14	448	A 61 H	35/00
2	A 41 D	17/00			7/10	272	A 41 D	27/02		E 03 C	1/26	449	A 47 K	11/02
2.1	A 62 B	11/04	125,126	A 41 B	1/08	273,274	A 41 D	27/00	288-292	E 03 C	1/26	450-457	A 61 G	9/00
	B 63 C	11/04		A 41 D	27/10	275	A 41 D	27/24	293	A 47 K	1/14	458	B 60 R	15/04
	B 64 D	10/00	127	A 41 B	1/12	279	A 41 B	15/00	294	A 47 K	1/14	459	A 47 K	11/03
2.5	F 41 H	1/02	128	A 41 B	1/10	300-310	A 41 F	19/00		E 03 D	9/02	460	A 47 K	11/02
		1/04	129	A 41 B	3/00	311-322	A 41 F	9/00	295	A 47 K	1/14		E 04 H	1/12
4.5	A 42 B	3/00	130	A 41 B	3/00	323-334	A 41 F	3/00	300	E 03 D	1/00	461	A 47 K	4/00
6	A 42 B	3/00			3/12			19/00			3/00			11/02
	A 62 B	18/00	131-134	A 41 B	3/00	335	A 41 F	11/00			5/00	462,463	A 47 K	4/00
7,8	A 42 B	1/00	135,136	A 41 B	3/16			13/00	300.1	A 47 K	10/18	464-475	A 47 K	11/03
	A 61 F	9/00	137,138	A 41 B	3/12	336	A 41 F	1/00			10/24	476-479	A 47 K	11/04
9	A 41 D	13/00	139,140	A 41 B	3/04			19/00		E 03 D	11/02	480	A 47 K	11/06
	A 42 B	1/00	141	A 41 B	3/02	337	A 41 F	19/00	300.2	A 61 G	9/00		A 61 G	7/02
10-15	A 61 F	9/00	142,143	A 41 B	3/00	338-340	A 41 F	9/00		E 03 D	3/00	481,482	A 47 K	11/06
16,17	A 41 D	13/08	144	A 41 D	25/00			15/00	300.3	E 03 D	9/00	483	A 47 K	11/04
		13/10	145	A 41 D	25/04	341,342	A 41 F	9/00		F 15 D	1/00	484	A 47 K	11/06
	A 61 F	9/00	146	A 41 D	25/12	400	A 41 B	9/00	301-311	E 03 D	13/00	485,486	A 47 K	13/60
18,19	A 41 D	13/08	147	A 41 D	25/00	401	A 41 B	9/00	312	E 03 D	11/12	487	A 47 K	3/00
		13/10	148-151	A 41 D	25/02			9/02	313,314	E 03 D	1/00		E 04 H	9/00
20	A 41 D	13/00	152,153	A 41 D	25/08	402	A 41 B	9/08	315	E 03 D	9/10	488-490	E 04 H	4/00
21	A 41 D	45/10			25/14	403-405	A 41 B	9/02	316	B 64 D	11/02	491	A 47 K	3/10
22-24	A 41 D	13/00	154	A 41 D	25/08	406-408	A 41 B	9/04	317,318	E 03 D	5/016	492-496	E 04 H	4/00
		13/06			25/16	409	A 41 B	11/04	319,320	E 03 D	9/10	497	A 47 K	3/10
44,45	A 61 F	5/02	155,156	A 41 D	25/16	410	A 42 B	1/06	321-323	E 03 D	1/00		F 04 D	35/00
46,47	A 41 D	27/12	157	A 41 D	25/00	411-416	A 42 B	3/00	324-327	E 03 D	1/14	498-509	E 04 H	4/00
48-52	A 41 B	13/10	158	A 41 D	19/00	417-420	A 42 B	1/22	328	E 03 D	1/06	510-512	E 04 H	4/00
	A 41 D	13/04	159-168	A 41 D	19/02	421	A 42 B	7/00	329-332	E 03 D	1/24	513	E 04 H	4/00
53-59	A 41 D	27/12	169	A 41 D	19/02	422	A 42 B	1/24	333-339	E 03 D	1/18	514	A 47 K	3/14
60	A 41 D	27/16	170	A 41 D	5/04	423,424	A 42 B	1/08	340	E 03 D	1/22		E 03 C	1/186
61-63	A 41 D	27/12	171-171.2	A 42 B	1/06	425	A 63 B	71/10	341	E 03 D	9/06	515	A 45 D	19/00
64	A 41 D	5/00	171.3-171.8	A 42 C	1/18	426-454	A 61 F	9/02	342	E 03 D	1/22	516	A 45 D	19/04
65,66	A 41 D	5/00	172	A 42 B	5/00				343	E 03 D	1/02	517	A 45 D	19/00
67	A 41 D	7/00	173	A 42 B	5/00				344	E 03 D	1/06	518	A 45 D	19/02
		1/12	173-177	A 42 B	5/00				345,346	E 03 D	5/00			19/14
68	A 42 B	1/12	178-180	A 42 C	5/00				347	E 03 D	9/04	519	A 45 D	19/08
69-72	A 41 B	9/00	181-182.8	A 42 C	1/22				348,349	E 03 D	9/05			19/10
	A 41 D	1/22			5/00				350	E 03 D	1/22	520-522	A 45 D	44/08
73	A 41 B	9/00	183	A 42 B	1/22						9/05	523	A 45 D	44/10
74	A 41 D	1/22	184	A 42 B	5/02	111.1-111.6	A 47 K	11/02	351,352	E 03 D	9/05	524-537	A 61 H	33/06
75	A 41 D	11/00	184.5	A 42 C	5/04	114.1	B 60 R	15/00	353	E 03 D	1/00	538	A 47 K	3/02
76	A 41 B	9/14	185-191	A 42 C	5/00	144.1-144.4	A 47 K	11/00	354-362	E 03 D	3/10	539	A 47 K	4/00
	A 41 F	9/00	192-194	A 42 C	1/02	191	E 03 C	1/00	363	E 03 D	1/22	540	A 47 K	3/022
77	A 41 B	1/00	195	A 42 B	1/04	192-194	E 03 C	1/04	364	E 03 D	1/20	541	E 03 C	1/02
78	A 41 B	9/00			1/04	195,196	E 03 C	1/12	365	E 03 D	1/02	542-548	A 61 H	33/02
79	A 41 D	1/06	196	A 42 B	1/02	197	E 03 C	1/22	366,367	E 03 D	1/36	549,550	A 47 K	3/08
		13/02	197-201	A 42 B	1/04			1/28	368-371	E 03 D	1/06	551	A 47 K	3/02
80	A 41 D	11/00	202-205	A 42 B	1/04	198-202	E 03 C	1/24	372	E 03 D	1/07	552	A 47 K	4/00
81	A 41 D	1/04	206	A 42 B	1/18	203,204	E 03 C	1/22	373,374	E 03 D	1/08	553,554	A 47 K	1/10
82	A 41 B	10/00	207	A 42 B	5/00	205	E 03 C	1/23	375	E 03 D	1/10			3/03
83	A 41 D	3/02	208,209	A 42 B	1/06	206	E 03 C	1/24	376,377	E 03 D	1/06			3/18
84	A 41 D	3/04	209.1,209.2	A 42 B	5/04	207	E 03 C	1/00	378-391	E 03 D	1/34	555,556	A 47 K	3/02
85,86	A 41 D	3/08	209.3-209.7	A 42 C	27/26	208	E 03 C	1/12	392-404	E 03 D	1/35	557,558	A 47 K	3/08
87	A 41 D	15/04	210	A 41 D	1/14	209	E 03 D	9/04	405	E 03 D	5/00			3/14
88	A 41 D	1/04	211-222	A 41 D	19/00	210	B 61 D	27/00	406	E 03 D	5/10	559	A 47 K	3/00
89	A 41 D	23/00	223	A 41 F	1/06	211-216	E 03 D	9/04	407	E 03 D	5/12	560-566	A 47 K	3/12
90	A 41 D	1/00	227-235	A 41 D	13/02	217	E 03 F	5/08	408,409	E 03 D	5/04	567-570	A 47 K	3/20
91	A 41 D	1/00	236,237	A 41 D	13/02	218	E 03 D	9/02	410-414	E 03 D	5/09			4/00
92	A 41 D	3/02			9/00	219	E 03 F	5/08	415,416	E 03 D	1/00	571	A 47 K	3/02
93-101	A 41 D	1/00			1/04	220	E 03 D	5/08	417,418	E 03 D	11/00	572	A 47 K	3/024
		1/04			1/20	221	E 03 F	5/08	419	E 03 D	1/012	573-579	A 47 K	3/022
102,103	A 41 D	1/20	238	A 41 B	11/00	222-232	E 03 D	9/02	420	E 03 D	11/00			3/12
104	A 41 D	1/18	239,240	A 43 B	17/00	233-235	A 47 K	13/00	420.1	A 47 K	3/20	580-584	A 47 K	3/02
105	A 41 D	1/02	241	A 41 B	11/02	236	A 47 K	13/12			4/00	585	A 47 K	3/06
106,107	A 41 B	9/00	242	A 41 B	17/02	237-239	A 47 K	13/10	420.2	A 61 H	35/00	586	A 47 K	3/024
108	A 41 B	13/08	243	A 41 D	27/08	240	A 47 K	13/18		E 03 D	9/08	587	A 47 K	3/064
109,110	A 41 B	9/00	244	A 41 D	23/24	241	A 47 K	13/14			11/02	588	A 47 K	3/022
111	A 41 B	1/00	245	A 43 B	27/20	242-246	A 47 K	13/04	420.3	A 47 K	3/20	589,590	A 47 K	3/02
		3/04	246	A 41 D	27/06	247	A 47 K	13/18			4/00	591	A 47 K	3/00
112	A 41 B	1/00	247-254	A 41 D	3/14	248	A 47 K	13/10			9/00	592	A 47 K	3/16
113	A 41 B	1/18	255-264	A 41 C	3/16	249	E 03 D	5/00	420.4,420.5	A 47 K	3/20	593	A 47 K	3/02
114	A 41 B	1/22	265	D 05 B	3/12	250	E 03 D	5/04			3/22	594	A 47 K	3/02
115	A 41 B	1/18			3/18	251	A 47 K	13/10			11/02	595	A 47 K	3/16
116	A 41 B	1/08			3/12	252	E 03 D	11/00	421-430	E 03 D	11/18	596-598	A 47 K	3/22
						253	A 47 K	13/00			11/00	599,600	A 47 K	3/22
117	A 41 B	1/00				254-257	E 03 D	11/00			11/10			3/23
118	A 41 B	1/18				258-261	A 61 J	3/22	434-442	E 03 D	3/22	601-605	A 47 K	3/22
119	A 41 B	1/22				262	A 61 J	19/04	443	A 47 K	35/00	606	A 47 K	7/02
120	A 41 B	1/18	266	A 41 F	1/02	263,264	A 61 C	17/06	444,445	A 47 K	3/22	607-618	A 47 K	3/22
121,122	A 41 B	1/08						17/14	446	E 03 C	1/20	619	A 47 K	1/04

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 4—Con.			24-39	A 47 C	17/04	447	A 47 C	20/00	151-156	B 25 F	1/00			11/55
620	A 61 H	33/00	40	A 47 C	17/04	448	A 47 C	27/00		B 67 B	7/00			11/65
621,622	A 47 K	33/04	41-50	A 47 C	17/04	449-454	A 47 C	27/08	157	B 25 F	1/00			11/66
	A 61 H	35/00	51-59	A 47 C	17/00	455,456	A 47 C	27/10	158-163	B 26 B	11/00			11/67
	E 03 C	1/00	60	A 47 C	19/00	457,458	A 47 C	27/08	164	B 25 F	1/00			11/69
623	E 03 C	1/05	61	A 61 G	7/00	459-462	A 47 C	27/00	165	B 25 B	15/00			11/70
624	E 03 C	1/02	62-65	A 61 G	7/00	463	A 61 G	7/02	166	B 66 F	15/00			11/72
		1/16	66-80	A 61 G	7/05	464,465	A 47 C	27/00	167,168	B 25 G				11/79
625-627	A 47 K	1/00	81	A 61 G	7/08	466,467	A 47 C	31/08	169,170	B 25 F	1/00			11/81
628	A 47 K	1/04	82	A 61 G	1/00	468	A 47 C	27/00						13/184
		1/09	83-88	A 61 G	7/10	469	A 47 C	21/04	U.S. Class 8			122	D 06 M	13/224
		5/00	89	A 61 G	1/00	470-472	A 47 C	31/02	BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS					11/00
		7/02	90	A 61 G	7/02	473,474	A 47 C	27/00				123	D 06 M	13/00
		1/18	93	A 47 D	7/00	475-477	A 47 C	27/04						23/00
629	E 03 C	1/00			13/06	478,479	A 47 C	27/00						13/00
630	A 47 B	77/06	94-96	A 47 D	7/04	480	A 47 C	27/14				125,127	D 06 M	23/00
	A 47 K	1/04	97-99	A 47 C	29/00	481	A 47 C	27/22				127.1	D 06 M	11/38
	E 03 C	1/00			7/00	482	A 47 C	31/10						11/00
631,632	A 47 K		100	A 47 D	7/02	483-487	A 47 G	9/00	94.1	C 14 C	19/00			13/00
	E 03 C	1/33	101-104	A 47 D	9/00	488,489	A 47 G	21/02	94.11	D 06 M	17/00			23/00
633-636	E 03 C	1/33	105-109	A 47 D	9/02	490	A 47 G	9/02		A 61 L	51/02			13/244
637	A 47 B	77/06			9/04	491-493	A 47 C	21/00	94.12	A 63 B	3/00	127.5	D 06 M	11/00
	A 47 K			B 02 B		494-496	A 47 G	9/02	94.13	D 01 C	1/00			13/00
	E 03 C		110	A 47 C	17/00	497	A 47 G	9/04		C 14 C	11/00			15/00
638	A 47 B	1/186			19/00	498	A 47 G	21/02	94.14	C 14 C	13/00	127.51	A 61 K	7/06
	E 03 C		111	A 47 C	19/04	499,500	A 47 C	31/00		D 06 M		127.6	D 06 M	
639	A 47 K	1/12	112	A 47 C	17/64	501,502	A 47 G	9/00	94.15	C 14 C	1/00	128.1,128.3	D 06 M	11/00
		4/00	113	A 47 C	29/00	503	A 47 C	31/00	94.16	C 14 C	1/06			13/00
		1/01	114,115	A 47 C	17/64	504-506	A 47 C	21/02	94.17	C 14 C	1/00			15/00
640-642	E 03 C	1/01	116	A 47 C	17/70	507	A 47 B	23/02			1/08	129,130	D 06 M	11/00
643-645	A 47 K	1/05	117	A 47 C	17/76	508	A 47 C	21/00	94.18	C 14 C	1/00			13/00
	E 03 C	1/32	118,119	A 47 C	17/64	509-511	A 47 C	31/00	94.19	C 14 C	3/00			23/00
646	E 03 C	1/326		B 60 P	3/38	512,513	A 47 G	21/00	94.2-94.23	C 14 C	5/00	130.1	D 06 M	11/00
647,648	E 03 C	1/322	120-126	A 45 F	3/22			5/00			11/00	131	D 06 M	13/00
649	E 03 C	1/33			4/08	U.S. Class 7			94.24	C 14 C	3/18			15/00
650	A 47 K	1/04			3/24	COMPOUND TOOLS			94.25,94.26	C 14 C	3/02			11/26
	E 03 C	1/14	127-130	A 45 F	19/00						3/04	132	D 06 M	
		1/18	131,132	A 47 C	17/38				94.27	C 14 C	3/06	133	D 06 M	
		1/182	133-173	A 47 C	19/12				94.28,94.29	C 14 C	3/04	137-142	D 06 F	
		1/24	174-180	A 47 C	19/04				94.3	C 14 C	3/10			D 06 L
651	E 03 C	1/264	181-185	A 47 C	19/00				94.31	C 14 C	3/24	147-159	D 06 B	
652	E 03 C	1/02	186-229	A 47 C	23/00				94.32	C 14 C	3/10	160,161	C 14 C	1/06
653	E 03 C	1/12	230-235	A 47 C	23/06				94.33	C 14 C	3/08	161,162	D 06 M	13/322
		1/182	236-238	A 47 C	23/30				101,102	D 06 L	3/00	181-196	D 06 P	5/00
			239-245	A 47 C	23/02				103	D 06 L	3/04	400	D 06 P	67/00
654	A 47 K		246-277	A 47 C	23/04				107	D 06 L	3/00	401	C 09 B	3/60
	E 03 C	1/06			23/00	100	B 25 F	1/00	108,1,109	D 06 L	3/06	402	D 06 P	5/13
655	A 47 J	47/20	278-307	A 47 C	19/00	101	G 04 D	5/00			3/00	403	D 06 P	3/04
656	A 47 L	19/02			19/22	102	A 43 D		110	D 06 L	3/02	404	D 06 P	7/13
		19/04	308	A 47 C	19/00	103	B 68 F	7/00			3/04	405-435	A 61 K	3/32
					23/00	104	C 14 B	33/10	111	D 06 L		436,437	D 06 P	61/00
657	A 47 K				23/00	105	E 04 F	21/28			1/00	438,439	C 09 B	67/34
	E 03 C	47/20	309-316	A 47 C	19/00	106	C 03 B	68/00	112	D 01 C		440	D 06 P	5/02
658	A 47 J	1/181			19/00	107	A 01 K	1/00	114	D 04 H		441,442	D 06 M	11/00
	E 03 C	3/12	400	A 47 C	23/00	108	B 25 F	1/00		D 06 M	1/00	443	D 06 M	13/00
659	A 47 K	3/164	401	A 47 C	31/02	109	B 25 F	1/00	114.5	D 06 Q				15/00
			402	A 47 C	7/12	110-113	A 47 J	1/00		D 06 Q	1/02	444	D 06 P	5/20
660	E 03 C			B 68 G	31/02	114-116	B 25 F	1/00	114.6,115	D 06 Q		445	D 06 P	5/00
661	A 47 K		403-410	A 47 C	27/00		A 01 B	1/00	115.51-115.69	D 06 M	11/00	446-456	D 06 P	5/12
	E 03 C	4/00	411	A 47 C	19/04		A 01 D	7/00	115.7	D 06 M	13/00	457-464	D 06 P	5/15
662-665	A 47 K	1/01	412	A 47 C	29/00			9/00			15/00	465	D 06 P	1/22
	E 03 C	9/00	413,414	B 62 B	9/14			11/00	116.1	D 06 M	11/00	466	D 06 P	1/02
666	E 03 D		415	A 45 F	4/06			11/00			13/00	467-477	D 06 P	
			416		4/08			1/00			23/00	478-487	D 06 P	5/00
U.S. Class 5				A 47 G	9/08		B 25 F	1/00	116.4	D 06 M	13/12	488	D 06 P	7/00
BEDS			417-420	A 47 G	9/06	117	B 25 F	1/00	117,118	D 06 M	11/00	489	D 06 P	5/00
			421	A 47 C	21/04	118-120	B 26 B	11/00			13/00	490	D 06 P	5/00
				A 61 F	7/00	121	B 25 F	1/00			23/00	491	D 06 P	7/00
1	A 47 C	31/00	422	A 47 C	27/08	122	D 05 B	91/04	119	D 21 H	11/00	492,493	D 06 P	5/00
2	A 47 B	83/00	423	A 47 C	27/00		B 25 D	1/00			13/00	494-496	D 06 P	
	A 47 D	11/00	424	A 47 C	27/08		B 25 F	1/00			15/00	497	D 06 P	7/00
3-7	A 47 B	85/00	425	A 47 C	21/08	123	B 26 B	23/00			17/00	498,499	D 06 P	5/00
	A 47 C	17/62		A 47 D	7/00		A 47 G	25/00			19/00	500	D 06 P	7/00
		19/22	426-430	A 47 C	21/08			25/80			21/00	501-508	D 06 P	5/00
		11/00	431	A 47 C	20/00			25/90			23/00	509	D 06 P	3/52
8,9	A 47 D	19/00	432	A 47 C	20/02	124	B 43 L	19/02			25/00	510,511	D 06 P	3/70
	A 47 C	7/00			20/04	125-137	B 25 B	7/22			27/00	512	D 06 P	3/52
10	A 47 C	17/38	433	A 47 C	20/02	138	B 25 B	13/00	120	D 06 M	13/00	513,514	D 06 P	3/79
		17/52	434-439	A 47 C	20/02		B 25 F	1/00	121	D 06 M	11/11	515	D 06 P	3/24
		17/84	440	A 47 C	20/00	139-142	B 25 B	13/10			11/30	516	D 06 P	3/04
		7/04	441-444	A 47 C	20/02		B 25 F	1/00			11/50	517	D 06 P	3/14
11	A 47 D	31/00	445	A 61 G	7/05	143-147	B 25 D	1/04			11/53			3/24
12-23	A 47 C	17/02			7/10	148-150	B 25 F	1/00			11/54	518,519	D 06 P	3/60
		17/04	446	A 47 C	20/02		B 27 B	21/00						

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U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 8—Con.														
520	D 06 P	3/58	81-84	B 21 J	5/12	10.6-11.2	A 43 D	75/00			15/00	74	E 01 D	19/08
521	D 06 P	3/00	85,86	B 21 D	53/24	11.3-12.5	A 43 D	21/00			95/00	75-77	E 01 D	19/02
522,523	D 06 P	3/80							53.2-55.1	A 43 D	11/00			
524-526	C 09 B	67/02	87,88	B 23 G	1/00	13.2	A 43 D	43/00			85/00			
527,528	C 09 B	67/00	89	B 21 K	1/56	14.2-14.4	A 43 D	21/00	57,57.1	A 43 D	27/00			
529-534	D 06 P	3/82		B 23 G	1/00	14.5	A 43 D	23/00	57.5,57.6	A 43 D	8/34			
535	D 06 P	3/58	90	B 23 G	1/00	15	A 43 D	3/12	58	A 43 D	115/00			
536,537	D 06 P	3/60	91-93	B 23 G	1/08	15.1	A 43 D	3/10	58.3	A 43 D	1/00			
538	D 06 P	3/60				16	A 43 D	61/00			100/00			
		3/70	94-100	B 23 G	1/00	16.1	A 43 D	63/00	58.5-59.7	A 43 D	11/00	1	A 47 L	
539,540	D 06 P	3/00						89/00	61-63	A 43 D	8/00		E 01 H	
541-543	C 09 B	62/00	101-103	B 23 G	1/00	16.2	A 43 D	25/12	64-66	A 43 D	65/00	1.5	A 47 L	13/40
544	C 09 B	62/02	105	B 23 G	11/00	16.3-16.5	A 43 D	63/00	67-67.2	A 43 D	44/00	1.7	E 04 H	4/16
		62/54	106,107	B 23 G	1/00			89/00			47/00	3	A 47 L	3/00
546	C 09 B	62/00	110,111	B 23 G	5/00	16.6,16.7	A 43 D	27/06			57/00			11/00
547	C 09 B	62/02	113-120.5	B 23 G	1/26	17	A 43 D	25/00	70-79.5	A 43 D	95/00			23/00
		62/44			5/04			27/00	85	A 43 D	8/32		B 08 B	
		62/62	121	B 23 G	1/28			29/00			8/36		D 06 F	15/00
548	C 09 B	62/00			5/08			35/00			21/00			37/00
549	C 09 B	62/00	123	B 23 G	5/04			37/00			27/00			39/00
		62/04	128,129	B 23 G	1/00			43/00	85.1-95	A 43 D	93/00	3.1-3.21	A 01 K	43/00
		62/20	130,132	B 23 G	1/08			65/00			8/00		A 23 N	12/00
		62/343			1/20			67/00			21/00	3.5-3.52	B 08 B	9/00
550	C 09 B	67/00	133-139	B 23 G	1/00			69/00			27/00			9/20
	D 06 P		140	B 23 G	5/20			89/00			93/00	3.53	B 43 L	19/00
551-635	C 09 B	67/00	141,142	B 23 G	5/06	17.2	A 43 D	95/00	103-120.5	A 43 D	5/00	4-21	A 46 B	13/00
636-638	C 09 B				5/14	18.1	A 43 D	119/00			15/00		A 47 L	11/00
	D 06 P													

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 15—Con.														
		7/00	230-230.19	A 47 L	13/252	344	A 47 L	5/24			3/22	277-279	E 05 F	1/08
		9/00		B 05 C	17/00	345,346	A 47 L	5/14	69,70	E 05 F	3/00	280-285	E 05 F	1/14
		45/00				347-353	A 47 L	9/10	71	E 05 F	1/00	286-308	E 05 F	1/08
	F 16 L	55/00						9/20	72-80	E 05 F	1/08	309-318	E 05 F	1/02
104.061-104.063	B 08 B	1/00	231	A 47 L	17/02	354-361	A 47 L	5/34	81	E 05 F	1/00	319-336	E 05 D	11/10
		7/00	232,233	A 47 L	5/00	362	A 47 L	5/00	82	E 05 F	5/02	337-342	E 05 C	17/64
		9/04	234,235	A 47 L	13/46	363-382	A 47 L	9/04	83	E 05 F	5/04		E 05 D	11/08
	F 16 L	45/00	235.3	E 04 G	1/06			9/06	84	E 05 F	3/00	343,344	E 05 D	11/10
104.07-104.19	B 08 B	55/00	235.4-235.8	B 05 C	13/38			5/10	85,86	E 05 F	5/06	346-353	E 05 D	15/30
		1/00		E 01 C	21/20	383-392	A 47 L	5/26	86.1	E 05 D	13/00	354	E 05 D	7/00
		7/00	236.01-241	A 47 L	17/10	393-403	A 47 L	5/00			15/00	355,356	E 05 D	1/04
		9/00			19/12			9/06	86.2	E 05 D	15/58	357-360	E 05 D	11/06
	F 16 L	45/00			13/02	404,405	A 47 L	5/00	87,87.2	E 05 D	15/00	361	E 05 D	15/06
		55/00			17/06	406-408	A 47 L	5/00	87.4,87.6	A 47 H	13/00	362,363	E 05 D	15/00
		55/00		B 05 C	23/22		F 23 J	15/00			15/00	364	E 05 D	15/06
104.2	F 16 L	45/00	242,243	F 23 J	17/10	409	A 47 L	5/16		E 05 D	15/06	365	E 05 D	7/00
		55/00	244.1-244.3	A 47 K	3/00	410,411	A 47 L	9/00			15/16	366	E 05 D	3/06
104.31	B 08 B	1/00		A 47 L	7/02	412	A 47 L	9/22	87.8	A 47 H	13/00	367	E 05 D	3/10
		7/00		B 43 L	13/46			9/28			15/00	368,369	E 05 D	15/00
		9/02	244.4	A 47 K	21/00			11/00		E 05 D	15/00	370	E 05 D	15/32
104.32	F 16 L	45/00		A 47 L	7/02			13/00	88-93	A 47 H	15/00	371	E 05 D	11/06
		55/00		B 43 L	13/16		A 63 B	47/04		E 05 D	15/00	372	E 05 D	5/00
104.33	B 08 B	1/00	245	A 47 L	21/00	413	A 63 D	5/10	94-96	A 47 H	1/04	373	E 05 D	7/00
		7/00	246	A 47 L	1/06		A 47 L	11/00			15/00	374-377	E 05 D	11/06
		9/02		B 60 S	1/00			13/00		E 05 D	15/00	378,379	E 05 D	7/08
104.5-104.54	A 45 D	24/44	246.5	F 22 B	37/48		A 63 B	47/04			15/06	380,381	E 05 D	5/12
104.8	A 46 B	17/08	247	A 46 B	17/04	414-422	A 63 D	5/10			15/16	382-384	E 05 D	5/00
	A 47 L	13/42		A 47 L	13/44	423	A 47 L	9/02	97-107	A 47 H	15/00	385	E 05 D	5/00
104.9	B 08 B	9/08	248	A 46 B	17/00		B 43 K	5/00		E 05 D	15/06			9/00
		9/20	249	F 23 J	3/00	424-426	B 43 L	19/00	108,109	F 16 L	15/16	386	E 05 D	5/10
104.92-104.94	B 08 B	1/00	250-250.42	A 47 L	1/00	427-432	B 43 K	29/02			11/10	387,388	E 05 D	5/02
105.105.5	A 47 L			B 60 S	1/02	433,434	B 43 L	19/00	110-113	A 47 B	95/02	389-392	E 05 D	5/06
105.51	B 25 F	1/00	256.5-256.6	A 46 B	15/00	435	B 43 K	3/00		A 47 J	45/00			
105.52	B 25 F	1/00		B 21 B	45/02	436	B 43 K	3/04		B 65 D	25/28			
	B 43 L	19/00		B 60 S	1/28	437-444	B 43 K	3/00		E 05 B	1/00			
105.53	B 26 B	11/00	257	A 46 B	17/00	445,446	B 43 K	1/00			7/00			
106-115	A 47 L	13/12		A 47 G	29/08	447	B 43 K	1/02	114	A 47 B	95/02			
		13/14		A 47 L	23/14					A 47 J	45/10			
		13/50			25/00					B 65 D	25/28			
		23/04			25/06					E 05 B	1/00			
	E 04 F	21/16		B 05 C	21/00						7/00			
116.1	A 47 L	13/14	257.05,257.06	A 47 L	13/56	U.S. Class 16			115	A 47 B	95/02	1	A 22 B	
		13/58		B 43 L		MISCELLANEOUS HARDWARE				A 47 J	45/06	11	A 22 B	3/08
116.2	A 47 L	13/14	257.07	B 43 L	25/00		A 47 G	1/10		B 25 G	1/04	11.1	A 22 C	21/00
		13/50	257.072	B 43 L	25/04	1	E 05 B	1/00		B 65 D	25/28	11.2	A 22 C	21/04
		13/58	257.073-257.076	B 43 L	25/00		E 05 D			E 05 B	5/00	11.3,12	A 22 C	21/00
117-121	A 47 L	13/12	257.1-257.9	A 47 L	13/52		E 05 F	1/00	116-120	A 47 B	95/02	13-18	A 22 B	5/08
		13/14	258,259	A 47 L	23/28			7/00		A 47 J	45/08	19	A 22 B	5/10
		13/50	260-263	A 47 L	13/14	2,3	B 65 D	55/00		B 25 G	1/00	20	A 22 B	5/08
		23/04			13/58		F 16 L	5/00			1/12	21	A 22 B	5/16
	E 04 F	21/16	264	A 47 J	47/18	4-11	A 47 G	27/04		B 65 D	25/28	23	A 22 B	5/20
141.1,141.2	A 47 L	11/36		A 47 L	13/50	12-15	A 47 G	27/06		E 05 B	1/00	24	A 22 B	5/00
		13/36			17/00	16,17	A 47 G	27/04			7/00			7/00
142	A 47 L	23/24	265-267	A 47 L	23/16	18	B 60 B	33/00	121-127	A 47 B	95/02	25-31	A 22 C	9/00
		25/00			23/18	19	B 60 B	33/04		A 47 J	45/06	32	A 22 C	7/00
143-146	A 46 B	5/02	268	A 46 B	17/02	20-23	B 60 B	33/00		B 25 G	1/00	33,34	A 22 C	11/00
	A 47 K			A 47 L	13/54	24-28	B 60 B	33/08		B 65 D	25/28	35	A 22 C	11/02
	B 25 G				21/06	29-31	B 60 B	33/00		E 05 B	1/00			11/06
147-154	A 47 L	13/20		B 08 B	9/20	32-34	B 60 B	33/06			7/00	36	A 22 C	11/02
159-166	A 46 B				9/46	35-39	B 60 B	33/00	193-219	E 05 D	13/00			11/04
167.1,167.2	A 46 B	9/04	300	A 47 L	5/00	40	B 60 B	37/00		E 05 F	1/00			11/06
167.3	A 45 D	29/17			9/00	41	B 60 B	33/00			3/00	37	A 22 C	11/08
	A 46 B			B 08 B	5/00	42	A 47 B	91/06			3/58	38,39	A 22 C	11/04
168-207	A 46 B			D 06 G	1/00	43-48	A 47 B	91/00		E 06 B				11/06
208-228	A 47 K	7/02	301-312	A 47 L	5/38		B 60 B	33/00		E 05 D	11/00	40	A 22 C	11/08
	A 47 L	1/06			15/00		E 05 F	15/20		E 05 D	7/00	41,42	A 22 C	11/02
		13/10	313-315	A 47 L	5/38	48.5	E 05 F	3/00	222,223	E 05 D	1/00	42.1	A 22 C	5/00
		17/08			15/00	49	E 05 F	3/20	224	E 05 D	5/22			17/00
		23/04		B 60 S	1/54	50	E 05 F	3/22	225-227	G 02 C	7/10	43	A 22 C	17/14
		25/00			1/64			3/22	228	E 05 D	15/50			17/16
229.1-229.4	B 43 L	21/00	316-318	A 47 L	5/38	51	E 05 F	3/04	229	E 05 D	7/00	44-44.3	A 22 B	1/00
	A 47 K	7/02			15/00	52,53	E 05 F	3/10	230-232	E 05 D	7/04			15/00
	A 47 L	1/06		F 23 J	3/02			3/22	233,234	E 05 D	7/06	44.4	A 22 B	1/00
		13/20	319	A 47 L	5/00	54,55	E 05 F	3/20	235-238	E 05 D	7/04			15/00
229.5	A 47 K	7/02	320-322	A 47 L	7/00			3/22	239-241	E 05 D	7/04			15/00
	A 47 L	1/06	323-338	A 47 L	5/00	56	E 05 F	3/04	242-249	E 05 D	11/00			4/03
		13/252			9/00			3/14	250,251	E 05 D	5/02			4/044
		17/00	339	A 47 L	5/00	57,58	E 05 F	3/22	252,253	E 05 D	7/10	45	A 22 B	3/00
229.6-229.8	A 47 K	7/02			7/00			3/14	254-258	E 05 D	7/12		A 22 C	11/00
	A 47 L	1/06			9/00			3/22	259-267	E 05 D	7/10			21/00
		13/20	340.1-340.4	B 08 B	5/00	59-62	E 05 F	3/04	268,269	E 05 D	1/06			25/00
		17/00		A 47 L	5/00			3/14	270-272	E 05 D	7/12			29/00
229.9	A 47 K	7/02	341-343	E 01 H	1/08			3/22	273	E 05 D	11/00	46	A 22 C	25/16
	A 47 L	1/06		A 47 L	5/02	63-67	E 05 F	3/00	274	E 05 D	11/02	47	A 22 B	5/08
					5/08	68	E 05 F	3/20	275,276	E 05 D	11/04		A 22 C	21/02

U.S. Class 17

BUTCHERING

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 17—Con.			200	D 01 B	3/00	U.S. Class 24			U.S. Class 24			U.S. Class 24		
48	A 22 C	29/00	201-205	D 01 B	3/00	BUCKLES, BUTTONS, CLASPS, ETC.			94-96	A 44 B	11/25	148,149	B 21 D	53/46
49	A 22 C	21/00	215	D 02 J	7/00	1	A 44 B	21/00			17/00		A 43 C	1/00
		25/00	216,217	D 01 G	19/02	2	B 42 D	3/10			1/04			7/00
		29/00	218	D 01 G	19/22	2.5	F 41 C	23/00			1/42		A 44 B	1/04
50	A 22 C	21/00	219	D 01 G	19/00	3.4	A 44 B	21/00	97-103	A 44 B	11/25	163	A 44 B	11/25
		25/02	220-224	D 01 G	19/04		A 45 F	5/02			17/00			17/00
51	A 22 C	21/04	225-228	D 01 G	19/16	5.6	A 45 F	5/08			11/25			11/25
		25/02	229,230	D 01 G	19/14	7-9	A 45 F	5/04			17/00			17/00
52	A 22 C	25/18	231,232	D 01 G	19/04	10-12	B 43 K	25/00	104	A 44 B	1/04	164-167	A 44 B	1/04
		25/20			19/18	13	A 44 B	21/00			1/28			11/00
53,54	A 22 B	3/08	233,234	D 01 G	19/04		A 45 F	5/02			11/25			11/25
	A 22 C	25/00	235	D 01 G	19/16	15	A 41 F	17/00	105	A 44 B	17/00			17/00
		29/00	236	D 01 H	5/00		A 44 B	21/00			1/04		B 68 B	5/00
55	A 22 C	25/00	237-241	D 01 H	5/32	16-19	B 65 D	63/00			1/30	168,169	A 44 B	1/04
56	A 22 C	25/16	242,243	D 01 H	5/00			67/02			11/25			11/06
57	A 22 C	25/16	244	D 01 H	5/86		F 16 L	33/00	106-110	A 44 B	17/00			11/25
		25/18	245	D 01 H	5/60	20	B 65 D	63/02			1/04		B 68 B	17/00
58-61	A 22 C	25/14			5/86		F 16 L	33/00			1/38			5/00
62	A 22 C	25/02	246-256	D 01 H	5/86	21-24	B 65 D	33/22			11/25	170	A 44 B	1/04
63	A 22 C	25/14	257	D 01 H	5/00		F 16 L	63/06	111,112	A 44 B	17/00			11/12
64	A 22 C	25/02	258-261	D 01 H	5/74		F 16 L	33/00			1/04			11/25
65	A 22 C	25/02	262-265	D 01 H	5/60	25	B 65 D	63/08			1/18			17/00
		25/14	266-268	D 01 H	5/46		F 16 L	33/00			11/25		B 68 B	5/00
66-70	A 22 C	25/00	269	D 01 H	5/48	26	B 65 D	63/06			17/00	171	A 44 B	1/04
71-76	A 22 C	29/00	270,271	D 01 H	5/46		F 16 L	33/00	113	A 44 B	1/04			11/10
			272	D 01 H	5/52	27-30	B 65 D	63/10			1/12			11/25
					5/54		F 16 L	33/00			1/14			17/00
					5/46	30.5	B 65 D	77/10			11/25		B 68 B	5/00
			273,274	D 01 H	5/46	31,32	F 16 G	3/00	114	A 44 B	17/00	172-183	A 44 B	1/04
			275,276	D 01 H	5/48			7/00			1/04			11/00
			277	D 01 H	5/50	33	F 16 G	3/02			1/16			11/25
			278	D 01 H	5/46	34	F 16 G	3/10			11/25			17/00
0.2-0.22	D 01 G	31/00	279-282	D 01 H	5/50	35,36	F 16 G	3/00			17/00		B 68 B	5/00
0.23,0.24	D 01 G	23/00	283	D 01 H	5/48			7/00	114.5,115	A 44 B	17/00	184,185	A 44 B	1/04
		31/00	284,285	D 01 H	5/46	37	F 16 G	3/08			11/25			11/00
0.25,0.26	D 01 G	31/00	286-292	D 01 H	5/72	38,39	F 16 G	3/00			17/00			11/25
0.27	D 01 B	1/48			5/74			7/00			17/00			17/00
	D 01 G	37/00	293	D 01 H	5/18	40	A 41 F	1/02	116	A 44 B	1/04	186-190	A 44 B	1/04
	D 06 F	58/00	294,295	D 01 H	5/56		A 43 C	11/02			11/25			11/20
0.3-0.64	D 01 G	1/00	296-308	D 01 G	25/00		A 44 B	1/18			17/00			11/25
		37/00			27/00		A 47 G	25/92			15/00			17/00
1	D 01 B	1/00				41-48	A 41 B	7/04	117-122	A 44 B	1/04	191-193	A 44 B	1/04
2	D 01 B	3/00						7/06			11/25			11/12
3	D 01 B	7/00					A 44 B	5/00			17/00			11/25
4	D 01 B	3/00				49	A 41 D	25/04			11/00			17/00
5,6	D 01 B	1/10						25/10	122.3,122.6	A 44 B	1/04	194-196	A 44 B	1/04
7	D 01 B	1/10						25/04			11/25			11/10
		3/04				50-55	A 41 D				17/00			11/25
8-32	D 01 B	1/10				56-58	A 41 D		127-134	A 44 B	1/04			17/00
33	D 01 B	1/28	293	B 01 J	7/00	59-65	A 41 D				11/25	197-200	A 44 B	1/04
34-38	D 01 B	1/10	294	B 01 D	7/02		A 44 B				17/00			11/00
39	D 01 B	1/04									11/00			11/25
		1/10	295	B 01 D	9/00	67-67.7	A 44 B		135	F 16 G	1/04			17/00
40-42	D 01 B	1/04		C 13 K	1/10						11/25	230.5-232	A 43 C	11/08
43-47	D 01 B	1/06	296,297	B 01 D	9/00						17/00		A 44 B	1/04
48	D 01 B	1/04	298	B 01 D	9/00						11/06			11/25
49-54	D 01 B	1/06		C 13 K	1/10		B 42 F	1/00			13/00			17/00
55-64	D 01 B	1/08	299	B 01 D	9/00	67.9	A 44 B	1/04	136	A 44 B	11/25	233-237	A 44 B	1/04
64.5	D 01 B	1/04			11/00			17/00			17/00			11/25
		1/32	300	B 01 D	9/00			1/02			11/00			13/02
65,66	D 01 B	3/04		C 30 B		68-71.3	B 42 F	11/00	140	F 16 G	1/00			17/00
66.1	D 01 G	37/00	301	C 30 B	17/00		A 43 C	1/04			9/00	238	A 44 B	1/04
	D 02 G	1/00	302	C 01 D	1/30		A 44 B	11/25			1/04			11/25
	D 04 G	1/06			3/24			17/00			11/25			13/00
66.2	D 02 G	1/14			7/24			21/00			17/00			17/00
80	D 01 B	1/00			7/40	72	A 41 F	17/00	141,142	A 43 C	5/00	239	A 44 B	1/04
	D 01 G	7/00	303	C 01 D	1/30		A 44 B	1/04			11/25			11/25
		9/00			3/00			11/25			1/04			13/02
81-97.5	D 01 B	1/00	304	C 01 F	5/34			17/00			17/00			17/00
98	D 01 G	15/00			11/44	72.5	A 44 B	1/04			11/25			1/04
99-104	D 01 G	15/02	305	C 01 F	7/34			11/25	143	A 43 C	9/00	240	A 44 B	11/25
105	D 01 G	15/40		C 22 B	13/00			17/00			1/04			11/00
106	D 01 G	15/46	306	B 01 D	1/00		A 47 C	21/02			11/25			13/00
107-111	D 01 G	15/76			1/30	72.7	A 44 B	1/04			17/00			15/00
112,113	D 01 G	15/12			11/04			11/25			53/58			17/00
114	D 01 G	15/84		C 10 G	21/00			17/00	144,145	A 43 C	1/00	241,242	A 44 B	1/04
115-129	D 01 G	19/00	307	B 01 D	1/02			3/18			7/00			11/25
144	D 01 G	13/00			1/22	89-91	A 44 B	1/04			1/04			13/00
		25/00			3/20			1/18			11/25			17/00
		27/00	308	C 01 D	3/20			11/25			17/00	265	A 44 B	1/04
145-145.7	D 01 G	13/00	313	C 05 B	19/00			17/00	146,147	A 43 C	3/00			11/25
148-153	D 01 G	25/00		C 22 B	1/14			17/00			1/04			17/00
		27/00	314	C 01 B	31/14	92,93	A 44 B	1/04			11/25		A 44 C	5/18
157-160	D 04 H	11/00		C 09 C	1/58			1/12			17/00	266,267	A 41 F	1/00
161,1,163	D 04 H				1/60			1/14						

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 24—Con.			322	A 44 B	1/00			11/25	453	A 41 F	1/00			17/00
		1/04			1/04			17/00		A 44 B	1/04	605	A 41 F	1/04
	A 44 B	11/25			11/00	380	A 44 B	1/04			11/25	606-629	A 41 F	1/00
		17/00			11/25			11/25	454	A 44 B	1/04		A 43 C	11/00
268	A 44 B	21/00	323,324	A 44 B	1/04			21/00			11/25		A 44 B	1/04
		1/04			11/25	381-383	A 44 B	1/04			17/00			17/00
		11/25			17/00			11/25	455	A 41 F	1/00	630	A 41 F	1/04
		17/00	325	A 44 B	1/04			17/00			1/08	631-658	A 41 F	1/00
269	B 65 D	63/00			11/08	384	A 44 B	1/04		A 44 B	1/04		A 43 C	11/00
	F 16 L	33/00			11/25			11/25			11/25		A 44 B	1/04
	A 44 B	1/04			17/00			17/00			17/00			17/00
		11/25	326-328	A 44 B	1/04			17/00			21/00	659-661	A 41 F	1/02
		17/00			11/25	385-387	A 44 B	1/04		B 42 F	1/00	662-681	A 41 F	1/00
	B 65 D	63/00			17/00			11/25	456-463	A 41 F	1/00		A 43 C	11/00
270-272	F 16 L	33/14	329-341	A 44 B	1/04			17/00		A 44 B	1/04		A 44 B	1/04
	A 44 B	11/25			11/25	388	A 44 B	1/04			11/25			11/25
		17/00			21/00			11/25			17/00	682-696	A 44 B	1/18
273	A 44 B	1/04			33/02			17/00			1/00	697	A 41 F	1/00
		11/25	342	F 16 L	1/00			19/38	464-480	A 41 F	1/08			1/04
		17/00		A 44 B	1/04	389	A 44 B	1/04		A 44 B	1/04		A 43 C	11/00
274-286	B 65 D	63/00			11/25			11/25			11/25		A 44 B	1/04
	A 44 B	1/04			17/00			17/00			17/00			11/25
		11/25			21/00			19/32	481-488	A 41 F	1/00			17/00
		17/00	343-349	A 44 B	1/04	390	A 44 B	1/04		A 44 B	1/04	698,699	A 44 B	13/00
287	A 44 B	11/25			13/00			11/25			11/25	700-702	A 41 F	1/00
		17/00			17/00			17/00			17/00		A 43 C	11/00
	B 65 D	63/00			17/00	391-398	A 44 B	1/04			21/00		A 44 B	1/04
288	A 44 B	1/04	350	A 44 B	1/04			11/25	489-529	B 42 F	1/00			11/25
		11/25			11/25			17/00		A 41 F	1/00	703.1-703.6	F 16 B	15/00
		17/00			17/00			19/12		A 44 B	1/04			19/00
289-297	B 65 D	8/00			17/00	399,400	A 44 B	1/04			11/25	704.1,704.2	F 16 B	21/00
	A 44 B	1/04	351-355	A 44 B	1/04			11/25			17/00	705	A 44 C	7/00
		11/25			9/00			17/00			21/00	706,706.1	A 44 B	9/00
		17/00			11/25			17/00			1/00	706.2-707.6	A 44 B	9/10
298-302	E 04 F	19/02			17/00			19/16	530-545	B 42 F	1/00	707.7-710.2	A 44 B	9/12
	A 44 B	1/04			17/00			19/40		A 41 F	1/00	710.3	A 44 B	9/00
		11/25	356-358	A 44 B	1/04	401,402	A 44 B	1/04		A 44 B	1/04	710.4-711.4	A 44 B	9/02
		15/00			9/00			11/25			11/25	711.5	A 44 B	9/00
		17/00			11/25			17/00			17/00			9/20
303-305	A 44 B	21/00			17/00			19/10			21/00	900	A 41 F	1/00
		1/04	359,360	A 44 B	1/04	403-414	A 44 B	1/04			1/00			1/08
		11/25			9/00			11/25	546-556	A 44 B	1/02	901-903	A 44 B	21/00
306	A 44 B	21/00			11/25			11/25			1/04			9/00
		1/04			13/00			17/00			11/25			
		11/25			17/00			19/02			17/00			
307-309	A 44 B	17/00	361,362	A 44 B	1/04	415	A 44 B	1/04		B 42 F	1/06	U.S. Class 26		
		18/00			9/00			11/25	557-567	A 41 F	1/08	TEXTILES, CLOTH FINISHING		
		1/04			11/25			17/00			1/08	1,2	D 06 C	29/00
		11/00	363-366	A 44 B	1/04	416	A 44 B	1/04		A 44 B	1/04	3-5	D 06 C	9/00
		11/25			9/00			11/25			11/25			23/02
310-313	A 44 B	17/00			11/25			17/00			21/00	6	D 06 C	9/04
		1/04			13/00	417-425	A 44 B	1/04		B 42 F	1/00	7	D 06 C	13/00
		11/25			17/00			11/25			1/02	8-10	D 06 C	13/08
314	A 44 B	1/04	367	A 44 B	1/00			17/00	568-571	A 41 F	1/00	10.4	D 06 C	13/00
		9/00			1/04			19/30			1/08	11-12	D 06 C	13/06
		11/00			11/25	426-431	A 44 B	1/04		A 44 B	1/04	13	D 06 C	13/10
		11/25			17/00			11/25			11/25	14	D 03 D	39/22
315,316	A 44 B	17/00	368	A 44 B	1/04			17/00			17/00	15	D 06 C	13/00
		11/00			9/00			19/26			21/00	16,17	D 06 C	23/02
		11/25			11/25	432	A 44 B	1/04		B 42 F	1/00	18	D 06 C	13/00
		17/00			17/00			11/25	572-588	A 41 F	1/00	18.5	D 06 C	23/04
317	A 44 B	1/04	369,370	A 44 B	1/04			17/00		A 43 C	11/00			29/00
		9/00			11/25			19/34		A 44 B	1/04	18.6	D 06 C	21/00
		11/00			13/00	433,434	A 44 B	1/04			11/25	19-21	D 06 C	17/00
		11/25			17/00			11/25			17/00		D 06 M	11/38
318	A 44 B	17/00	371	A 44 B	1/04			17/00	589	A 41 F	1/04	22,23	D 06 C	17/04
		1/04			11/25	435,436	A 44 B	1/04		A 44 B	1/04	24	D 06 C	17/00
		11/00			13/02			1/04			11/25		D 06 M	11/38
		11/25			17/00			11/25			17/00	25	D 06 C	15/00
		13/00	372-377	A 44 B	1/04			17/00	590-597	A 41 F	1/00	26	D 06 C	15/14
319	A 44 B	17/00			11/25			19/36		A 43 C	11/00	27-29	D 06 C	11/00
		1/04			13/00	437-441	A 43 C	11/12		A 44 B	1/04	30	D 06 C	11/00
		11/25			17/00			11/20			11/25			23/00
		13/00	378	A 44 B	1/00			1/04			17/00	31-37	D 06 C	11/00
		17/00			1/04			11/25	598-601	A 44 B	13/02	51	D 06 C	3/00
320,321	A 44 B	1/04			11/25	442-452	A 44 B	1/04		F 16 B	45/00	51.3,51.4	D 06 C	3/00
		11/00			13/00			17/00		A 41 F	1/00		D 06 H	3/12
		11/25			17/00			11/25		A 43 C	11/00	51.5	D 06 C	3/00
		13/00	379	A 44 B	1/00			17/00		A 44 B	1/04		D 06 H	3/08
		17/00			1/04			18/00			11/25	52,53	D 06 C	3/00

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 26—Con.														
69	D 06 C	3/00	106	D 06 C	18/00	146	D 04 D	7/08		D 06 B			C 08 G	63/02
		23/00		D 04 H	23/00	147	D 04 D	5/00		D 06 P				63/18
70-75	D 06 C	3/00			1/70			7/06	170	D 06 Q	73/10		D 02 H	3/00
76	D 06 C	3/02			3/02			7/08		C 08 G	7/00			5/00
77,78	D 06 C	3/06			5/08			7/10		D 06 H	7/00			7/00
79	D 06 C	3/02		D 06 C	13/00	148	D 04 D	9/04	171	C 08 G	75/00			13/00
80	D 06 C	3/00	107-111	B 32 B	23/00	149	D 03 D	29/00		D 04 B	19/00	191	B 65 H	54/12
81	D 06 C	3/00		D 04 H	5/06		D 04 B	5/00	172	B 65 H	75/00		C 08 G	63/02
	F 26 B	13/02			1/46		D 04 C	7/00		C 08 G	75/00			63/68
82	B 26 D	7/14			3/10		D 04 D	7/00		D 02 H			D 02 H	13/34
	D 06 C	3/00			5/02			7/02		D 03 J		192	B 65 H	54/12
83-85	D 06 C	3/00			11/08	150	D 04 D	7/00		D 06 B			D 02 H	13/30
86	D 06 C	3/02			13/00			7/02		D 06 C		193	B 65 H	67/00
87,88	D 06 C	3/00	112	D 04 H	18/00			7/04	173	F 26 B	75/00	194	D 02 H	1/00
89-91	D 06 C	3/02			1/46	151,152	D 03 D	29/00		C 08 G	11/00		B 65 H	59/00
		3/10			3/10	153	D 04 B	1/24		D 02 H	9/00			77/00
92	D 06 C	3/02			5/02			7/34	174	D 06 C	13/00	195	D 02 H	13/22
	F 26 B	13/02			11/08			9/46		C 08 G	75/00		B 65 H	54/28
93-96	D 06 C	3/02	113-115	D 04 H	18/00			9/58		D 06 C	9/00	196	D 02 H	13/00
97	D 06 C	3/06	116	D 04 H	1/08			11/26			9/04		B 65 H	54/46
98	D 06 C	3/00			1/44			21/20	175	B 65 H	54/66	197	D 02 H	13/00
99-105	D 06 C	3/06			3/10			23/24		C 08 G	75/00		D 02 H	9/00
106	D 06 C	3/00			5/02			25/14		D 04 B	31/00	198	D 02 H	1/13
	F 26 B	13/02			11/04		D 06 B	3/20	176	B 65 B	11/00		D 03 J	57/16
					13/00			5/24		B 65 H	37/00	199	B 65 H	9/00
					17/00		D 06 C	13/12		C 08 G	63/18		D 02 H	13/16
			117	D 04 H	1/16		D 06 H	3/16	177	C 08 G	63/46	200	B 65 H	79/00
					1/22	154	D 06 J			D 04 B	31/00		D 02 H	13/12
					1/24		D 04 B	1/26	178	B 65 H	71/00	201	D 06 B	3/34
1-20	A 61 G	17/00	118-120	A 61 F	13/20			11/28		C 08 G	63/46		B 65 H	67/00
21.1-25.1	A 01 N	1/00		D 04 H	1/22		D 06 B	3/30		D 02 H	5/02		D 03 J	1/14
26	A 61 G	19/00	121	B 65 D	75/00			5/24	179,180	C 08 G	63/78			1/18
27	A 61 G	17/00	122	D 04 H	1/08		D 06 C	13/12			63/82	202,203	B 65 H	67/08
28	A 61 G	1/00			1/44		D 06 H	3/16		D 02 H	5/02		D 03 J	1/14
		3/00			3/10	155	D 03 D	7/00		D 06 B	15/00	204-207	D 03 J	1/14
29,30	E 02 D	19/00			5/02			15/08		F 26 B	13/00	208	B 65 H	1/00
31	A 61 G	17/04			11/04		D 04 B	1/18	181	C 08 G	63/78			75/38
32-34	A 62 B	33/00	123,124	A 42 C	1/02			7/16			63/82	209,210	D 02 H	13/38
35	A 61 G	17/00		D 04 H	1/22			11/12		D 02 H	5/02		B 65 H	69/00
					17/00		D 06 C	21/00			9/02	211	D 03 J	1/18
			125-133	D 04 H	1/22			23/06		D 06 B	15/00	212	B 65 H	69/04
					17/00		D 06 H	7/10		F 26 B	13/00		D 03 J	1/18
			134-137	D 04 H	17/12		D 03 D	15/04	182	C 08 G	63/78		B 65 H	57/16
			138,139	D 04 H	17/00	156	D 06 C	21/00			63/82	213	D 02 H	13/20
100	A 42 C		140	D 01 D	17/00		D 06 C	23/04		D 02 H	5/02		D 02 H	57/16
	A 44 B		141	D 04 B	3/00	157	D 06 H	3/12		D 06 B	3/10	214	D 03 D	13/18
	A 61 F			D 06 H	5/00			7/10			3/32	215,216	D 03 D	39/04
	B 05 C		142	D 03 D	3/04	158	D 03 D	1/00			15/02	217	B 05 C	39/06
	B 32 B			D 04 B	7/32			11/00	183	C 08 G	69/02		B 65 H	
	B 41 F				9/00		D 06 C	13/00		D 02 H	5/02		D 01 D	
	B 65 B			D 06 C	5/00	159		27/10		D 06 B	3/10		D 02 G	
	B 65 D			D 06 G	3/00			39/16			3/32		D 02 H	
	B 65 H				5/00		D 06 C	11/00			15/02		D 02 J	
	F 26 B			D 06 H	3/16	160	D 06 C	23/02	184	C 08 G	69/02		D 06 B	
101	A 42 C			D 06 H	5/00		A 44 B	21/00		D 02 H	3/00		D 06 C	
	A 61 F		143	D 03 D	1/00	161	D 06 C	13/08			5/00		D 06 L	
	B 05 C			D 04 B	41/00	162	B 41 F	23/02	185	D 03 D	15/00		D 06 M	
	B 65 D				1/24		D 06 B	1/00		B 65 H	59/00	218	D 06 P	
	B 65 H				7/34	163	D 06 C	23/00			61/00		D 06 Q	
	D 04 H	3/04			9/46		D 06 J	3/86		C 08 G	69/02	219	D 02 G	1/00
		3/05			9/58		D 06 P	5/12		D 02 H	13/02		D 04 B	19/00
	F 26 B	3/07			11/26			5/13			13/14		D 02 G	3/00
102	D 04 H	3/04			21/20			5/22	186	F 26 B	63/00		D 02 J	1/00
103	D 04 H	1/06			23/24		D 05 C	7/10		B 65 H	69/02			3/00
		1/50			25/14	164	D 06 Q	1/02		C 08 G	69/02	220	D 02 G	11/00
		3/08		D 04 D	31/02		D 06 M			F 26 B	13/12		D 02 J	1/12
		5/02		D 04 G		165	B 65 H	71/00	187	B 65 H	63/00	221	D 02 G	11/00
		11/08		D 06 B	3/30	166	D 06 M			C 08 G	69/02	222	D 02 J	63/06
		13/00			5/24		C 08 G	79/02		D 02 H	13/08	223	B 65 H	3/12
104,105	D 04 H	1/46		D 06 C	13/12	167	D 06 M			F 26 B	13/12		D 02 J	3/14
		1/70		D 06 G	3/16		F 26 B	13/00	188,189	B 65 H	63/00			3/16
		3/02		D 06 H		168	C 08 G	79/02		C 08 G	69/02	224	D 02 J	7/00
		3/10		D 06 J			D 06 H	7/22		D 02 H	13/06		B 65 H	63/06
		5/02	144	D 02 G	3/40		D 06 Q	1/02	190	F 26 B	13/12			
		5/08		D 03 D	41/00		D 04 D	3/00		B 65 H	54/00	225		
		11/08		D 04 D	3/00	169	C 08 G	79/02						
		13/00	145	D 04 D	5/00									

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U.S.			IPC			U.S.			IPC			U.S.			IPC			U.S.			IPC			U.S.			IPC			
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	
U.S. Class 28—Con.						10	B 23 P	5/00	118.119	B 60 B	7/00	169.5	B 29 D	17/00	464-468	B 23 Q	3/00													
			11	B 21 D	53/40	120	B 21 B	31/08	172	B 23 P	13/00	469	B 23 P	13/00	469	B 23 P	21/00													
226	B 65 H	63/06		B 21 K	13/02		B 60 B	7/00	173	B 21 F	35/00	469.5	B 21 D	35/00	469.5	B 21 D	35/00													
	D 02 J	3/12	12	B 23 P	13/00	121.1-121.8	A 01 B	29/00		B 23 P	13/00	505.506	B 21 D	39/00	505.506	B 21 D	39/00													
		3/16	13	B 21 F	45/22		A 01 G	1/12		B 23 P	13/00		B 23 P	11/00		B 23 P	11/00													
227-229	B 65 H	63/06			45/24		B 02 C	4/00		G 04 D	3/00	507.508	B 21 D	39/00	507.508	B 21 D	39/00													
230-239	D 02 J	3/14	14	B 21 H	7/06		B 21 B	1/40		213.1-221.6	B 23 P	19/04	B 23 P	11/02		B 23 P	11/02													
240-242	D 02 J	1/22		B 21 K	19/02		B 21 H			222-224	B 23 P	15/10	B 21 D	39/00	509-521	B 21 D	39/00													
243	D 02 J	1/06	15.16	B 23 P	13/00		B 22 F	3/18		225-232	B 23 P	19/04	B 23 P	11/00		B 23 P	11/00													
244-246	D 02 J	1/22	17-20	B 21 D	33/00			7/00		233	B 23 P	15/18	B 21 D	39/00	522.1-524.1	B 21 D	39/00													
247-251	D 02 G	1/00	20.1	B 26 D	3/10		B 30 B	3/00		234	B 23 P	19/04	B 23 P	19/02	525	B 23 P	19/02													
	D 02 J	1/00	21-22	B 23 P	17/00		C 14 B	1/30		235-236	B 23 P	19/02	B 23 P	11/02	525.1,525.2	B 23 P	11/02													
252-253	D 02 G	3/24	23	B 23 P	13/00		E 01 C	19/23		237-241	B 23 P	19/04	B 21 B	1/46	526.2-530	B 21 B	1/46													
	D 02 J	1/06	23.5	B 21 H	7/16	122	B 21 B	1/08		242	B 21 K	5/00																		
254-257	D 02 G	1/12		B 23 P	15/02			27/02		243	B 23 P	19/04	B 22 D	11/126		B 22 D	11/126													
		1/16			15/04			31/08		243.5-243.58	B 23 P	11/00																		
258	D 02 G	1/20	24	B 23 P	17/00	123	B 21 B	31/08		244-250	B 23 P	19/04	B 23 P	17/00		B 23 P	17/00													
259-261	D 02 G	1/10	24.5	B 23 P	19/04		B 60 B	7/04		251	B 23 P	19/02																		
262	D 02 G	1/12	25	B 21 F	41/00			7/06		252-269	B 23 P	19/04	B 23 P	13/04	557.558	B 23 P	13/04													
	D 02 J	1/04	25.35	H 04 R	17/00	124	B 21 B	31/08		270	B 25 B	27/00	B 23 Q	7/00	559	B 23 Q	7/00													
263-270	D 02 G	1/12	25.41,25.42	H 01 G	7/00		B 60 B	7/04		271-281.6	B 25 B	27/14	B 23 P	23/00	560,560.1	B 23 P	23/00													
271-276	D 02 G	1/16	26	B 23 B	39/00			11/04		282	B 21 D	39/04	B 23 Q	5/00	561,562	B 23 Q	5/00													
	D 02 J	1/08	27	B 23 B	7/00	125	B 21 B	27/03			B 23 P	19/04																		
277	D 02 J	1/00			9/00			27/05		283,283.5	B 23 Q	1/00																		
	D 02 J	3/10	28	B 23 B	25/00			31/08				3/00			563	B 23 Q	7/00													
278-280	D 02 G	1/14	29	B 23 B	5/28		B 60 B	7/04				7/04																		
281	D 02 G	1/18	30	B 23 B	1/00			11/04		400.1	B 23 P	17/00																		
		1/20	33	B 21 B	15/00	126-128	B 21 B	31/08		401.1	B 21 K	21/16																		
		3/24		B 21 D	39/03		B 60 B	7/04			B 23 P	17/04			564-564.8	B 23 P	23/00													
	D 02 J	1/12		B 23 P	23/04			9/00		402.01	B 23 P	6/00			565	B 23 Q	41/00													
		1/20			25/00			15/00		402.02	B 29 C	73/00			566-566.4	B 23 P	23/00													
282,283	D 01 D	11/02	33.2	A 41 H	37/06	129	B 21 B	31/08		402.03	B 23 P	6/00			569.1	H 01 L	21/00													
	D 02 J	1/18		B 29 D	5/00		B 60 B	7/06			B 23 P	6/00			570.1	H 01 G	9/00													
284-286	B 05 C		33.5,33.52	B 23 P	23/04	129.5	B 21 B	31/08		402.04-402.09	B 23 P	6/00			593	G 05 F	4/00													
	D 01 D	10/00	34	B 23 B	11/00		B 60 B	7/02				6/00			594	H 04 R	31/00													
	D 06 L		35.5,36	B 23 B	3/16	130,131	B 21 B	31/08		402.18	B 23 K	9/04			595	G 01 R	15/14													
	D 06 M				7/04		B 60 B	7/04			B 23 P	6/00			596	H 02 K	15/16													
	D 06 P				7/04		B 21 B	31/08		402.19,402.21	B 21 D	1/00			597	H 01 R	43/06													
287,288	B 05 C		37-38.9	B 23 P	23/00	132	B 21 B	31/08				3/16			598	H 02 K	15/02													
	D 01 D	10/04	39-49	B 23 B	3/16		B 60 B	5/00				1/02			599	H 01 L	39/24													
	D 06 L				7/04			21/00		402.11-402.17	B 23 P	6/00			600	H 01 P	11/00													
	D 06 M		50	B 23 B	29/24	148.3	B 21 H	7/00		403.1	B 07 B	13/00			601	H 01 Q	17/00													
	D 06 P		51	B 23 D	1/00		B 21 K	19/00			B 23 P	6/00			602.1	H 01 F	7/06													
289	B 65 H	54/64	52	B 23 C	1/00	148.4	B 21 D	53/12				1/00			603	G 11 B	5/127													
		54/68	53	B 23 B	11/00		B 21 H	1/12		403.2	B 21 D	3/16			604	H 01 F	3/00													
		54/70			35/00			1/14		403.3,403.4	B 23 P	6/00			605-607	H 01 F	7/06													
		54/76	54-56.6	B 23 C	1/00		B 21 K	1/02				6/00			608	H 01 F	3/08													
		54/76	57	B 23 B	25/00			1/04		411-425	B 23 P	17/00			610.1	H 01 C	17/00													
		71/00		B 23 Q	39/00			1/05		426.1-426.3	B 23 P	19/00			611	H 05 B	3/00													
290	B 65 H	54/00	64	B 23 P	23/00	149.5	B 21 D	53/10		426.4	B 23 P	19/02			612	H 01 C	7/02													
		54/00	65	B 23 P	23/00	150	B 23 P	13/00		426.5,426.6	B 23 P	19/00			613	H 01 C	17/02													
291	B 65 H	54/62		B 23 Q	5/00	155	B 23 P	17/00		428-431	B 21 D	39/03			614,615	H 01 C	1/02													
292-298	B 65 H	73/00	76.1-76.4	B 23 D	67/00	156.4	B 23 P	15/00				11/00			616,617	H 01 C	1/03													
299	D 06 M				69/00	156.5	B 23 P	15/10		404-407	B 23 Q	17/00			618	H 01 C	17/04													
			77	B 23 D	73/02	156.6-156.63	B 23 P	15/06		408	B 21 D	53/50			619	H 01 C	17/28													
			78.79	B 23 D	71/00	156.7	B 21 K	1/20			B 21 F	45/18			620	H 01 C	17/28													
			80	B 23 D	71/04		B 23 P	13/00			B 29 D	5/00			621,621.1	H 01 C	11/00													
			81	B 21 C	43/00	156.8	B 21 K	3/04		409	B 21 D	53/54			622	H 01 H	11/00													
				B 23 D	79/12		B 23 P	15/02			B 21 F	45/18																		
				B 23 P	25/00			15/04		410	B 21 D	53/52																		
			89.5	B 23 P	9/00	157-158	B 21 D	53/00			B 21 F	45/18			609,609.1	H 01 F	3/04													

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 29—Con.														
726-727	B 23 P	19/04	34.2	B 26 B	19/38	164.5-164.8	B 02 C	18/00	373	B 23 D	47/02	494	B 27 L	9/00
728	B 23 P	15/26	35-39	B 26 B	19/42		F 25 C	5/16			51/02	495	B 27 F	1/10
729	B 23 P	19/00	40	B 26 B	19/38	164.9	B 26 B	3/00			51/04	500	B 23 B	51/00
730,731	H 01 R	19/00	40.1	B 26 B	21/24		B 41 C	1/04			59/00		B 25 B	21/00
732	H 01 M	19/00	40.2	B 26 B	21/26			1/055		B 27 B	9/04	501-504	B 27 B	21/00
733-736	B 23 P	19/00	41-41.6	B 26 B	19/44	164.95	B 26 B	3/00			19/14	505	B 27 B	21/08
737	B 23 P	19/00	41.9	B 26 B	19/08	165	B 26 B		374	B 23 D	47/02	506	B 27 B	21/02
738-746	B 23 P	19/00	42	B 26 B	19/28	166	B 23 D	45/00			51/02	507-509	B 27 B	21/00
747	H 01 R	19/00	43	B 26 B	19/20		B 27 B	5/29			59/00	510	B 23 D	51/03
748-750	H 01 R	19/00	43.1-43.3	B 26 B	19/00			19/09		B 27 B	9/04		B 27 B	21/00
751	B 23 P	19/00	43.4-43.6	B 26 B	19/14			23/00			19/14	511	B 27 B	21/00
752	B 23 P	19/00	43.7-43.9	B 26 B	19/12	167-167.2	B 25 D	3/00	375-377	B 23 D	47/02	512	B 23 D	51/03
753	H 01 M	19/00	43.91,43.92	B 26 B	19/02	168-172	B 26 B	3/00			51/02	513	B 27 B	21/06
754,755	B 23 P	19/00	44.45	B 26 B	19/28	173,174	B 26 B	13/00			59/00	514-516	B 27 B	21/00
756-764	B 23 P	19/00	46	B 26 B	19/30			15/00		B 27 B	9/02	517	B 23 D	51/01
765	H 01 R	19/00	47-50	B 26 B	21/00			17/00			19/14		B 27 B	21/00
766	B 23 P	19/00	51	B 26 B	21/08	175-193	B 26 B	17/00			21/08	518	B 23 D	49/11
767-770	H 01 R	19/00	52-55	B 26 B	21/00	194	B 26 B	13/00	378	B 23 D	47/04		B 27 B	21/00
771-790	B 23 P	19/00	57-89	B 26 B	21/14			19/00			51/04	519-525	B 27 B	21/00
791-808	H 01 R	19/00	90	B 26 B	21/40	195	B 26 B	19/22		B 27 B	21/00			
809-818	B 23 P	19/00	90.1-91.2	B 21 F	13/00	196-204	B 26 B	19/00	379,379.5	B 23 D	45/20			
819-824	B 23 P	19/00	92-108	B 23 D	21/06	205-207	B 26 B	19/14			45/22			
825	H 01 R	19/00		B 26 B	27/00	208-222	B 26 B	19/02			45/24			
826	H 01 R	19/00		B 26 B	27/00			19/12			45/24			
827	H 01 R	19/00	109-113	A 24 C	1/24	223-225	B 26 B	19/00		B 27 B	9/00			
828	H 01 R	19/00			5/12	226,227	B 26 B	13/00	380	B 23 D	53/00	1	B 43 L	5/00
829	H 05 K	3/00	113.1-113.3	A 47 J	23/00	228	B 26 B	15/00			55/00		G 01 B	13/20
830	H 05 K	3/36			5/28	229-263	B 26 B	13/00		B 27 B	13/00			3/14
831	H 05 K	3/20			25/00	264	B 26 B	15/00			15/00		G 01 C	5/24
832-838	H 05 K	3/30	114	A 21 C	5/08	265	B 26 B	13/00			15/00			21/20
839,840	H 05 K	3/34			15/04	266	B 26 B	13/28	381	B 23 D	57/02		G 01 V	1/30
841	H 05 K	3/30	115-117	A 21 C	5/00	267-271	B 26 B	13/00		B 27 B	17/00		G 06 G	
842-845	H 01 R	9/00	118	A 41 H	25/00	272-277	B 26 B	7/00	382	B 23 D	57/02	2	G 09 B	29/10
846	H 05 K	3/02		B 26 B	1/00	278-283	B 26 B	3/00			59/00		A 41 H	1/00
847	H 05 K	3/02	119	A 41 H	25/00	284-288	B 26 B	29/00		B 27 B	17/00		A 42 C	3/06
848	H 01 K	3/22			13/00	289	B 26 B	29/00	383	B 23 D	57/02	3.4	A 43 D	1/00
849	H 01 K	3/00	120	A 41 H	25/00	290-295	B 26 B	29/06			59/00	5	A 43 D	8/28
850	H 01 K	3/10	120.1	A 23 N	5/00	296-298	B 26 B	29/00		B 27 B	17/02	6	A 43 D	1/00
851	H 01 K	3/22		A 47 J	43/26	299-308	B 26 B	27/00	384,385	B 23 D	57/02	7	A 41 H	1/00
852,853	H 01 K	3/10	120.2,120.3	B 26 B	13/06	308.1-308.3	B 26 B	3/00			59/00			21/00
854-856	H 01 R	43/00		A 47 J	43/26	309-319	B 26 B	23/00		B 27 B	17/00			23/00
857-859	H 01 R	43/00	120.4	A 47 J	43/26	320,321	B 26 B	3/00	386	B 23 D	57/02	8	A 41 H	1/04
860	H 01 R	43/02		B 26 B	17/00	322-328	A 47 J	43/28			59/00	9	A 41 H	1/04
861-867	H 01 R	43/04	120.5	A 47 J	43/26	329-339	B 26 B	1/00		B 27 B	17/00			23/00
868-870	H 01 R	43/04		B 26 B	17/02	340,341	B 25 G	1/00	387	B 23 D	57/02	10	A 41 H	1/00
871	H 01 R	43/00	121	A 47 J	43/26			1/12		B 27 B	17/02			21/00
872,873	H 01 R	43/00	121.5	A 47 J	43/26	342-345	B 25 G	3/00	388	B 23 D	45/16	11	A 41 H	1/00
874,875	H 01 R	43/16	122	A 01 G	3/03	346	B 26 B	9/00	389	B 23 D	45/16	12-14	A 42 C	3/06
876	H 01 R	43/20		B 26 B	23/00	346.51	B 26 B	21/54		B 27 B	9/00	15	A 41 H	1/02
877-880	H 01 R	43/02	123,123.3	B 25 F	11/00	346.52-346.61	B 26 B	21/54	390,391	B 23 D	45/16			1/10
881,882	H 01 R	43/04		B 26 B	3/00	347-352	B 26 B	9/00			47/00	16	A 41 H	1/00
883-885	H 01 R	43/00		B 26 B	1/00	353	B 26 B	9/00		B 27 B	9/04	17	A 42 C	3/06
					3/00			19/04	392,393	B 23 D	49/04		A 41 H	1/00
					3/00	355-357	B 26 B	9/02			49/06	18.1,18.2	B 43 L	13/00
					11/00	358-368	B 26 F	1/00			49/10	18.3	B 43 L	13/14
					59/04	369	B 23 D	49/10			49/12	19.1-19.3	B 43 L	13/24
					11/12			49/12			49/14	20.1,20.2	B 43 L	13/16
					7/00			49/16		B 27 B	49/16	20.3	B 43 L	13/14
					5/16			3/28			3/12	20.4	B 43 L	13/18
					11/00			5/29			3/26	21.1-21.4	B 43 L	9/00
					3/00			9/00	394	B 23 D	19/00	22	B 43 L	9/00
					3/00			19/09			49/04			13/10
					11/00			49/06			49/06	23.01-23.05	B 43 L	13/10
					3/00			49/10			49/10	23.06	B 43 L	13/12
					3/00			51/02			49/12	23.07-25.5	B 43 L	13/10
					3/00			51/04			49/14	26,27.01	B 43 L	9/00
					3/00			59/00		B 27 B	49/16			11/00
					3/00			3/28			19/04	27.02	B 43 L	9/02
					3/00			9/00			19/04	27.03-27.033	B 43 L	9/04
					3/00			29/00	400-450	B 67 B	7/46	27.04-27.07	B 43 L	9/00
					3/00			47/02		B 43 L	23/00	27.08	B 43 L	11/02
					11/00			51/02		B 43 L	23/06	27.09	B 43 L	11/06
					43/28			51/04		B 43 L	23/00	27.1	B 43 L	9/00
					3/00			59/00		B 27 C	23/06	27.11	B 43 L	11/00
					1/00			47/02		B 27 G	17/02	27.12	B 23 Q	35/00
					3/00			21/08		B 27 G	17/02		B 43 L	13/10
					11/00			27/08		B 27 G	17/02	28,29	B 43 L	9/00
					43/28			481		B 27 F	1/00	30.1	B 43 L	11/04
					3/06			482,483		B 27 G	17/02			11/045
					13/02			484-486		B 25 G	3/00			11/05
					27/18			487-490		B 27 G	17/02			11/055
								491						
								492,493						
U.S. Class 30														
CUTLERY														
1	B 26 B		138-140	B 25 F	3/00	371	B 23 B	29/00						
1.5,2	B 67 B	7/00		B 26 B	1/00		B 23 D	47/02						
26-29	A 45 D	29/00			3/00			51/02						
29.5	B 26 B	19/00			11/00			51/04						
30,31	B 26 B	19/00			43/28			59/00						
		21/12			3/00			47/02						
32	B 26 B	21/00			11/00			51/02						
34	B 26 B	19/38			43/28			51/04						
34.1	B 26 B	19/06			3/06			59/00						
		19/10			13/02			19/14						
					27/18									
U.S. Class 33														
GEOMETRICAL INSTRUMENTS														

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 33—Con.			245-250	F 41 G	1/38	340-343	G 01 B	21/00			13/00	567	B 25 H	7/00
			251	F 41 G	1/02	344-346	G 01 C	9/00	471-473	B 43 L	7/10		G 01 B	3/30
30.2-31	B 43 L	11/04			1/08			17/00			13/00	567.1	B 25 H	7/02
32.1-33	B 43 L	13/00			11/00	347	G 01 C	9/02	474	B 43 L	7/00		G 01 B	3/30
34-39.2	B 41 G	3/00	252-260	F 41 G	1/02			9/28			7/027	568-570	B 23 Q	16/00
	B 43 K	27/08			1/06			17/18			13/00	571	G 01 B	3/00
	B 43 L	13/00			1/16	348,348.2	G 01 C	9/32	475-481	B 43 L	7/00			5/00
40	B 43 L	13/24			1/44			17/20			13/00	572,573	G 01 B	
41.1-43	B 43 L	13/02			11/00	349	G 01 C	9/00	482	B 43 L	7/00	574-579	B 25 D	5/00
44	B 43 K	27/00	261	F 41 G	1/00			17/14			7/033	600-613	G 01 D	21/00
45	B 41 G	3/00			11/00	350	G 01 C	9/08			13/00	614-622	B 41 B	11/00
	B 43 K	27/08	262	G 01 C	1/08			17/18	483	B 43 L	7/00	623	G 01 D	21/00
121,122	G 01 B	5/26			3/00	351	G 01 C	9/00			12/00	624,625	G 01 C	7/02
		11/28			5/00	352	G 01 C	17/00			3/04	626-642	B 23 B	49/00
		13/20			9/00	353	G 01 C	9/00			3/10		B 23 Q	17/22
		21/28			15/00	354	G 01 C	9/00	484-494	B 43 L	7/00		B 27 G	23/00
123	G 01 B	7/32			21/00			17/00			3/04		G 01 D	21/00
124	G 01 B	5/26	263,264	G 01 C		355	G 01 C	17/02			3/10	643-649	G 01 D	21/00
		11/28	265	F 41 G	1/00	356-359	G 01 C	17/38	495-500	B 43 L	7/10	650	A 43 D	8/26
		13/20	266	G 01 B	13/02	360	G 01 C	17/26			3/00	651	G 01 D	21/00
		21/28		G 01 C	3/00	361,362	G 01 C	17/28	501.01	B 65 H	61/00	651.1	E 01 B	29/04
175,176	G 01 B	5/20	267	G 01 C	1/00	363	G 01 C	17/26			1/00	652-658	G 01 D	21/00
177	B 43 L	13/20			1/02	364	G 01 C	17/08			3/00	659	G 04 D	7/00
	G 01 B	3/14			3/02	365	G 01 C	9/10			3/20	660,661	G 01 D	21/00
178	E 21 B	47/08	268	G 01 C	17/34	366	G 01 C	9/06	501.02-501.04	G 01 B	3/00	662	A 41 H	25/00
	G 01 B	3/34	269-271	G 01 C	17/34	367	G 01 C	5/04	501.05-501.6	G 01 B	3/20	663-665	B 43 L	9/08
		3/38			21/02			9/22			3/30			9/12
		3/46		G 04 B	49/00	368-376	G 01 C	9/00			3/38	666-679	B 25 H	7/00
		5/08	272,273	G 01 C	1/00	377,378	G 01 C	9/20	502	G 01 B	1/00	679.1	E 01 B	3/00
		7/12			3/00	379	G 01 C	9/24	503	G 01 B	5/03			3/34
		11/08			17/00	380	G 01 C	9/30	504,505	G 01 B	1/00	700-712	A 45 B	3/08
		13/08	274	G 01 C	21/22	381-383	G 01 C	9/24	506-511	G 01 B	1/00		B 01 D	
		21/10	275	G 01 C	1/04	384-388	G 01 C	9/28	512	A 61 B	1/00		B 26 D	7/28
179	G 01 B	3/10			3/00	389	G 01 C	9/24			5/103	713-721	G 01 B	
179.5	G 01 B	3/14			5/00	390	G 01 C	9/36			5/117		E 21 B	47/04
		3/22			23/00	391	G 01 C	9/12			1/00		G 01 B	3/02
		5/20	276-280	G 01 C	3/00	392-394	G 01 C	15/10	513,514	A 61 C	19/04	722-731	G 01 B	3/00
		7/28	281-285	G 01 C	1/00	395	G 01 C	9/16			1/00		G 01 F	23/04
		9/08			1/02	396	G 01 C	9/12	515	A 61 B	5/103	732,733	B 65 H	61/00
		11/24			15/10	397	G 01 C	9/14			5/117		G 01 B	3/00
		13/16	286	G 01 C	15/00	398-400	G 01 C	9/12			1/00	734-749	G 01 B	3/12
		15/04	287	E 01 B	29/04	401	G 01 C	9/04	516-519	G 01 B	1/00			5/04
		21/20	288	G 01 B	5/24	402	G 01 C	9/12	520	G 01 D	21/00	750-754	G 01 B	5/04
193	G 01 B	3/14			5/25	403	B 43 L	7/00	521,522	E 01 C	23/01	755-771	G 01 B	3/10
194	E 04 F	21/00			5/255	404-410	B 43 L	13/00			1/00	772-782	G 01 B	3/12
	E 06 B	3/00	289	G 01 C	15/00		G 01 C	15/10	523	G 01 B	5/28			7/04
195	A 01 L	11/00	290-292	G 01 C	5/00	411	B 43 L	7/00	523.1,523.2	B 61 K	9/08	783,784	G 01 B	5/00
196	B 24 B	53/00	293	G 01 C	15/02	412	G 01 B	5/24		E 01 B	29/04	785,786	G 01 B	13/00
	G 01 B	3/22			15/06			13/18	524	G 01 B	1/00	787-790	G 01 B	5/30
197	B 27 G	17/08	294	G 01 C	15/06	413	B 43 L	7/00	525	G 01 B	1/00			7/16
	E 05 B	17/06	295	G 01 C	15/08		B 44 D	3/00			5/24	791	G 01 B	11/00
199	G 01 B	3/14	296	G 01 C	15/00	414	B 44 D	3/38	526-530	G 01 B	1/00	792-806	G 01 B	5/00
		3/36	297,298	F 41 G	1/38	415-417	B 43 L	7/10	531,532	G 01 B	3/56	807,808	G 01 B	3/16
		3/40			1/42	418-426	B 43 L	7/10			21/22	809	G 01 B	3/08
		3/48	299	F 41 G				13/00	533	G 01 B	5/25	810-812	G 01 B	5/14
		5/16		G 01 C		427-429	B 43 L	7/00			21/22	813-831	G 01 B	3/18
		5/20	300	G 01 C				13/00	534-538	G 01 B	3/56			5/00
200	A 61 B	3/10	301	G 01 C	9/00	430,431	A 47 B	27/00	539-541	G 01 B	1/00	832-838	G 01 B	3/22
201	G 01 B	5/20			17/00			85/02	542	G 01 B	3/00			5/00
202	B 23 D	63/00			19/00		B 43 L	5/00			5/00			
	G 01 B	5/20	302	E 21 B	47/02			7/00	542.1	G 01 B	3/00			
203	G 01 B	5/20	303	G 01 C	9/26			9/00	543	G 01 B	3/00			
		5/24			17/38			11/00			5/00			
203.1	G 04 D	7/08			19/04			13/00	544,545	G 01 B	1/00			
203.11	B 61 K	9/12	304-314	E 21 B	47/022	432-434	B 43 L	13/14			3/00			
	G 01 B	3/14	315	E 21 B	47/06	435	B 43 L	13/00			5/00			
203.12-203.21	G 01 B	5/24	316,317	G 01 C	19/36	436	G 01 B	3/00	546,547	G 01 B	1/00			
		7/30	318	G 01 C	19/00	437	B 43 L	7/08			3/14	1	F 26 B	3/34
		11/26	319	G 01 C	17/18	438-442	B 43 L	13/02			5/20	2	D 06 M	11/00
		13/18	320-323	G 01 C	19/00	443-446	A 47 B	27/00	548	G 01 B	3/00			13/00
		21/22	324-327	G 01 C	19/38		B 43 L	5/00			5/00			15/00
227	G 01 C		328-330	G 01 C	19/00			13/00			21/00	3	A 45 D	20/00
228	F 41 G		331	G 01 D	1/00			13/24	549,550	G 01 B	1/00	4	F 26 B	3/28
229-231	F 41 G	3/24	332	G 01 B	21/00	447-450	B 43 L	13/02			3/00	5	F 26 B	5/06
232	G 01 C	21/00	333	B 23 B	49/00			13/24			5/00			5/10
		23/00		B 23 Q	17/00	451	B 43 L	7/00	551	G 01 B	3/14	6,7	F 26 B	7/00
				B 60 K	35/00		G 01 C	9/00			5/20	8	F 26 B	5/08
233	F 41 G				37/00	452-467	B 43 L	7/10	552-555	G 01 B	5/20	9,9.5	F 26 B	3/00
234-237	F 41 G	3/00	334	B 23 B	45/14	468	B 43 L	13/00			3/14	10	F 26 B	3/08
238,239	F 41 G	3/08		B 25 B	29/00			7/10	556-558	G 01 B	3/00			3/10
240	F 41 G	3/10		F 41 C	27/00			7/12			5/00	11-13.8	F 26 B	7/00
241	F 41 G	1/32		G 03 B	17/06	469	B 43 L	13/00	558.01-558.5	G 01 B	3/16	14	F 26 B	5/14
242,243	F 41 G	1/00		G 01 B	13/18			7/10	559-561	G 01 B	5/00	15-16.5	F 26 B	5/04
244	F 41 G	1/02	335-337	G 01 B	21/22	470	B 43 L	13/00	562,563	G 01 B	3/14	17-21	F 26 B	7/00
		1/06			21/22			7/10	564,565	B 43 L	13/20	22-38	F 26 B	3/00
		1/38	338	E 01 B	35/02			7/14	566	B 43 L	7/00			5/00
		3/00	339	G 01 C	9/00									
U.S. Class 34			DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS											

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 34—Con.														
39-41	F 26 B	3/32	7.7	A 43 B	15/00	96	A 43 B	7/14	203,204	E 01 H	8/10			65/10
42	F 26 B	7/00	7.8	A 43 B	3/18	97	A 43 B	3/26	205	E 01 H	8/06	56	D 06 F	63/00
43	F 26 B	13/10	8.1	A 43 B	3/10	98	A 43 B	13/22	206	E 01 H	8/04			65/00
		21/00	8.2	A 43 B	5/08			23/16	207	E 01 H	8/12	57	D 06 F	63/00
44,45	F 26 B	19/00	8.3	A 43 B	3/00	99	A 43 B	13/14	208	E 01 H	8/02			65/10
		13/10	8.4	A 43 D	5/12	100,101	A 43 B	3/24	209-213	E 01 H	8/06	58,59	D 06 F	63/00
		19/00	9	A 43 B	1/00	102	A 43 B	1/10	214-218	E 01 H	8/04			65/08
46	F 26 B	21/06	10	A 43 B	1/02	103,104	A 43 B	13/00	219	A 63 C	19/10	60	D 06 F	63/00
47-49	F 26 B	19/00			3/10	105	A 43 B	21/00		E 01 C	19/22			65/04
50	F 26 B	21/08			17/00	106	A 43 B			E 01 H	4/00	61	D 06 F	63/00
51	F 26 B	21/06	11	A 43 B	19/00	107,108	A 43 B	23/00	220	E 01 C	19/22			65/06
52	F 26 B	13/10	11.5	A 43 B	3/14	109	A 43 B	23/02	221-223	E 01 H	4/00	62	D 06 F	61/00
		19/00	12	A 43 B	3/12	110	A 43 B		224	E 01 C	19/23	63	D 06 F	67/00
53	F 26 B	19/00	13	A 43 B	13/28	111	A 61 D	9/00	225,226	B 30 B	9/00			71/32
54	F 26 B	21/00	14	A 43 C	13/00	112	A 43 B	3/28		E 01 H	5/00	64	D 06 F	67/00
55	F 26 B	19/00	15	A 43 C	13/08			3/30	227-230	E 01 H	5/10			71/40
56	F 26 B	13/10	16	A 43 C	13/00	113	A 43 B	3/00	231-236	E 01 H	5/04	66	D 06 F	71/36
		19/00	17	A 43 B	9/10	114	A 43 B	5/00	237	E 01 H	5/07			83/00
57	F 26 B	17/00	18,19	A 43 B	13/18	115-125	A 43 B	5/04	238-240	E 01 H	5/09	67	D 06 F	67/06
58,59	F 26 B	17/24			9/02	126,127	A 43 B	5/16	241	E 01 H	5/00			71/32
		17/30	19.5	A 43 B	13/28	128	A 43 B	5/02	242	E 01 H	5/09	68	D 06 F	67/00
60-71	F 26 B	19/00			9/12	129-135	A 43 B	5/00			5/09			69/02
72-84	F 26 B	21/06	21	A 43 B	13/32	136,137	A 43 B	23/00	243-262	E 01 H	5/04			71/32
85-91	F 26 B	19/00	22	A 43 B	13/00	138	A 43 B	11/00	263,264	E 01 H	5/04	69-73	A 47 G	25/00
92	F 26 B	13/30	23,24	A 43 B	23/20	139	A 43 B	23/00	265	E 01 H	5/02			25/62
93,94	F 26 B	19/00	24.5	A 43 B	13/28				266-277	E 01 H	5/06			25/66
95	F 26 B	13/26	25	A 43 B	13/00				278	E 01 H	5/02			25/72
95.1,95.2	B 43 L	17/04	26	A 43 B	13/02				279-283	E 01 H	5/06			25/76
95.3	B 43 L	17/08			13/14				284,285	E 01 H	5/02			25/78
95.4	B 43 L	17/08	27	A 43 B	13/28									15/20
		21/00	28	A 43 B	13/18							74-76	E 04 H	75/00
96-101	A 45 D		29	A 43 B	13/20							77.1	D 06 F	75/06
102-107	F 26 B	25/00	30	A 43 B	13/12	1	E 02 F	13/00						75/10
108-142	D 06 F	58/00	31	A 43 B	13/14	2	A 01 B	23/06						75/22
	F 26 B	11/02	32	A 43 B	13/04		A 01 G	3/76						75/06
143-146	F 26 B	9/04	33	A 43 B	13/08	3	E 21 C	49/00	1	D 06 F	69/00	77.2	D 06 F	75/10
147	F 26 B	15/26	34	A 43 B	21/00	4	B 60 P	1/00	2	D 06 F	61/00	77.3	D 06 F	75/06
148-160	F 26 B	13/00	35	A 43 B	21/26		E 02 F				63/00			75/32
161-163	F 26 B	9/00	36	A 43 B	21/36	7,8	B 60 P	1/36			65/00	77.4	D 06 F	75/06
		13/06	37	A 43 B	21/32		E 02 F				69/00			75/10
164	F 26 B	9/00	38	A 43 B	21/30	9	B 60 P	1/00	3	D 06 F	71/00	77.5	D 06 F	75/06
165-178	F 26 B	17/12	39	A 43 B	21/24		E 02 F				61/00			75/10
179-183	F 26 B	11/12	40	A 43 B	21/02	54	E 02 F				63/00			75/22
184-188	F 26 B	11/00	41,42	A 43 B	21/36	55	E 02 F	5/00			65/00	77.6	D 06 F	75/06
189,190	F 26 B	11/18	43,44	A 43 B	13/38	56	E 02 F				69/00			75/12
		13/10			23/00	57	E 02 F	3/94			71/00			75/06
		15/20	45-49	A 43 B	23/00			7/00			87/00	77.7	D 06 F	75/10
191	F 26 B	21/06	50-53	A 43 B	11/00	58-68	E 02 F	3/88	4	D 06 F	61/00	77.8-77.82	D 06 F	75/06
192-200	F 26 B	11/18	54	A 43 B	23/26	69	E 02 F	3/14			63/00			75/14
		11/22	55	A 43 B	23/07	70	E 02 F	3/18			65/00	77.83	D 06 F	75/06
201-235	F 26 B	19/00	56	A 43 B	11/00	71	E 02 F	3/34			69/00			75/18
		25/06	57,58	A 43 B	23/00			3/40			71/00	77.9	D 06 F	75/06
236	F 26 B	19/00	58.5,58.6	A 43 B	23/28	72	E 02 F	3/47	5	D 06 F	71/00			75/20
		25/00	59	A 43 B	23/28	73,74	E 02 F	3/90	6,7	D 06 F	61/00	79	D 06 F	75/40
237,238	F 26 B	25/10			15/00	75-79	E 02 F	9/00			63/00			75/00
		25/18	61-67	A 43 C	15/00	80	E 02 F	3/00			65/00	80,81	D 06 F	75/02
239	A 01 F	25/12	68	A 43 B	13/42	81,82	E 02 F	5/02			71/00	82	D 06 F	75/08
	D 06 C		69	A 43 B	23/08	83-90	E 02 F	5/04			69/02			75/04
	F 26 B	25/00			23/10	91-97	E 02 F	5/08	8-11	D 06 F	71/40	83	D 06 F	75/02
240	A 01 F	25/12	70	A 43 C	15/00	98-103	E 02 F	5/22	12,13	D 06 F	71/34	84-87	D 06 F	75/36
	F 26 B	9/10	71	A 43 B	19/00	104-107	E 02 F	5/02	14-16	D 06 F	71/00	88,89	D 06 F	75/34
		25/20	71.5	A 43 C	13/00	108-114	E 02 F	5/00	18	D 06 F	71/08	90-92	D 06 F	75/38
241	F 26 B	21/12	72-75	A 43 B	13/22	115-117	E 02 F	3/46	19-21	D 06 F	71/00	93	D 06 F	79/00
242	F 26 B	25/00	76	A 43 B	13/42	117.5	E 02 F	3/76	22	D 06 F	71/08	94,95	D 06 F	75/40
243	F 26 B	19/00			23/22	118	E 02 F	3/00	23,24	D 06 F	71/00	96	D 06 F	75/38
			77	A 43 C	13/14	119	E 02 F	5/00	25	D 06 F	71/08	97	D 06 F	79/00
			78	A 43 B	15/00	120-141	E 02 F		26	D 06 F	71/00	98	D 06 F	25/72
			80	A 43 B	21/36	142	E 02 F	9/28	27	D 06 F	71/08	99	A 47 G	75/00
					23/28	142.5	E 02 F	5/22	28-31	D 06 F	71/08			3/00
			81	A 43 B	7/16	182-188	B 66 C	3/02	32-41	D 06 F	71/00	100,101	D 06 F	3/08
			82	A 43 B	21/00	189,190	E 02 F	3/24	42,43	D 06 F	61/00	102	D 06 C	1/04
			83	A 43 B		191,192	E 02 F	3/14	44	D 06 F	67/00	102.1	D 06 C	3/08
1	A 43 B		84	A 43 B	1/02	193	E 02 F	5/18			61/00	102.2	D 06 C	3/08
1.5	A 43 B	3/00	85	A 43 B	1/08	194	E 02 F	9/00	45	D 06 F	63/00	102.3-102.91	D 06 C	81/00
2	A 41 D	17/00	86	A 43 B	1/06	195	E 02 F	1/00			67/00	103-139	D 06 F	81/14
2.6	A 43 B	7/02	87	A 43 B	1/14	196	E 01 C	19/22			61/00	140	D 06 F	83/00
3	A 43 B	7/06	88	A 43 B	7/14		E 01 H	4/00	46	D 06 F	63/00			79/00
4	A 43 B	1/10	89	A 43 B	7/20			5/00	47	D 06 F	61/04	141	D 06 F	79/02
		1/12	90	A 43 B	3/30	197	E 01 H	4/00	48	D 06 F	61/08	142	D 06 F	67/04
7.1	A 43 B	3/16	91	A 43 B	7/22			5/00	49-51	D 06 F	63/00	143	D 06 F	
7.2	A 43 B	3/18	92	A 43 B	7/16			8/02	52,53	D 06 F	63/00	144	D 06 F	
7.3,7.4	A 43 B	1/10	93	A 43 B	7/14	198	E 01 H	8/02	54	D 06 F	65/00			
7.5	A 43 B	3/10	94	A 43 B	7/26	199,200	E 01 H	8/08			63/00			
		3/12	95	A 43 B	7/30	201,202	E 01 H	8/02	55	D 06 F	63/00			
7.6	A 43 B	3/10												
U.S. Class 36														
BOOTS, SHOES AND LEGGINGS														

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 40														
CARD, PICTURE AND SIGN EXHIBITING														
1	G 09 F	11/00	393	B 42 F	21/00	599	G 09 F	23/00	51	F 41 C	7/00	9	A 01 K	73/02
1.5.1.6	A 44 C	3/00	394	B 42 F	17/18	600	G 09 F	7/04	52	F 41 C	9/04	10	A 01 K	73/00
5.6	G 09 F	3/20	395-398	B 42 F	17/22	601,602	G 09 F	7/00	53	F 41 C	9/00	11,12	A 01 K	77/00
27.27.5	G 09 F	3/02	399	B 42 F	1/10	603,604	G 09 F	17/00	54	F 41 A	33/00	13	A 01 K	75/00
107	G 09 D	3/00			3/00	605	G 09 F	7/00		F 41 C	3/00	14	A 01 K	73/12
109	G 09 D	3/10			5/00	606-608	G 09 F	15/00			3/06	15,16	A 01 K	97/12
110	G 09 D	3/00	400	B 42 F	17/22	609	G 09 F	23/00	55	F 41 C	3/00	17	A 01 K	85/01
111,112	G 09 D	3/06	401,402	B 42 F	13/00	610	G 09 F	15/00			3/06			93/00
113	G 09 D	3/08	403	B 42 F	17/22	611	G 09 F	7/02	57	F 41 C	3/08			97/12
114	G 09 D	3/06	404	B 42 F	3/00	612	G 09 F				3/00	17.1	A 01 K	79/02
115	G 09 D	3/08	405	B 42 F	5/00	613-615	G 09 F	19/00	58	F 41 C	3/00	17.2	A 01 K	97/00
116-118	G 09 D	3/10	406-410	G 09 F	19/00	616	G 09 F	7/22			3/06	17.5,17.6	A 01 K	75/02
119-121	G 09 D	3/04	411-425	G 09 F	19/08	617	G 09 F	7/02	59	F 41 C	3/14			85/00
122	G 09 D	3/02	426	G 09 F	19/00	618	G 09 F	7/00	60	F 41 C	9/61	18.1,18.5	A 01 K	87/00
124	G 09 F	1/10	427	A 47 F	11/06	619,620	G 09 F	7/04		F 41 C	3/14	19	A 01 K	91/02
124.1	G 09 F	1/00			1/00	621	G 09 F	7/06	61-65	F 41 C	3/14	19.2	A 01 K	87/00
124.2,124.4	G 09 F	1/10	428-430	G 09 F	19/12	622	G 09 F	7/00	66,67	F 41 A	17/00	20,21	A 01 K	87/06
124.5	G 09 F	19/00	431	G 09 F	13/00	623	G 09 F	15/00	68	F 24 H	9/06			89/00
152,152.1	A 47 G	1/12	432	G 09 F	13/30	624	G 09 F	3/02		F 41 A	15/00	21.2	A 01 K	97/10
	A 47 G	1/06	433,434	G 09 F	13/00	625-629	G 09 F	3/04	69,01	F 41 A	19/00	22	A 01 K	87/06
152.2	A 47 G	1/06	435-441	G 09 F	13/00	630	G 09 F	3/10	69.02,69.03	F 41 A	3/00	23	A 01 K	87/00
	G 09 F	13/00	442-444	G 09 F	19/00	631,632	G 09 F	3/02	70.01-70.11	F 41 A	17/00	24	A 01 K	87/04
	G 09 F	13/00	445	G 09 F	19/00	633	A 44 C	5/00	71.01-74	F 41 C	23/00	25,25.2	A 01 K	87/00
	G 09 F	13/00	446	G 09 F	3/04	634	A 61 B	5/103	75.01-78	F 41 A	21/00	26	A 01 K	97/08
153-157	A 47 G	1/06	447	G 09 F	9/00			5/117		F 41 A	21/00	26.1	A 01 K	89/00
	G 09 F	1/12	448,449	G 09 F	3/04	635-637	A 44 B	15/00	83	F 41 A	17/00	26.2	A 01 K	85/00
158.1	B 44 C	5/02	450-452	G 09 F	19/14	638	G 09 F	23/00	84	F 41 A	19/00	27.2,27.4	A 01 K	91/00
159	A 47 G	1/06	453	G 09 F	25/02	639,640	G 09 F	23/00	85	F 41 C	23/00	34-37	A 01 K	83/00
	G 09 F	1/10	454	G 03 B	27/00	641	G 09 F	23/10			23/02	41,41.2	A 01 K	97/04
159.1	B 44 C	5/02	455-457	G 09 F	19/00	642	G 09 F	3/18	86	F 41 C	27/00	42-42.53	A 01 K	85/00
159.2	G 03 B	21/64	458	G 09 F	19/04	643,644	G 09 F	21/04		F 41 H	5/10	42.7-43.15	A 01 K	91/00
160	A 47 G	1/06	459,460	G 09 F	21/04	645	G 09 F	3/18	87-89	F 41 A	9/61	43.16-43.6	A 01 K	83/00
	G 09 F	7/00	461	G 09 F	19/00	646	G 09 F	3/20		F 41 A	9/82	44.2-44.82	A 01 K	83/06
200-203	G 09 F	13/02	462	G 09 F	19/00	647-655	G 09 F	23/00	90		15/00	44.83-44.86	A 01 K	91/04
204	G 09 F	13/08	463-469	G 09 F	11/02	656	G 09 F	7/00			29/00	44.87-44.97	A 01 K	91/00
205,206	G 09 F	7/02	470	G 09 F	11/18	657	A 47 G	29/10		F 41 C	27/00			95/00
207	G 09 F	13/16	471	G 09 F	11/02	658,659	G 09 F	3/20	93	F 41 A	23/00	44.98	A 01 K	91/00
208	G 09 F	7/22	472	G 09 F	11/00	660,661	G 09 F	3/18		F 41 A	31/00	44.99	A 01 K	97/02
209,210	G 09 F	21/06	473-475	G 09 F	19/00	662,663	G 09 F	3/08			27/04	53.5	A 01 K	97/00
211	G 09 F	21/16	476	G 09 F	11/02	664,665	G 09 F	3/14	94	F 41 A	9/62	54.1-57	A 01 K	97/04
212	G 09 F	21/12	477	G 09 F	13/00	666	G 09 F	3/16			29/00	57.1,57.2	A 01 K	97/06
213	G 09 F	21/06	478	G 09 F	19/00	667	G 09 F	3/08			31/00	57.3	A 01 K	97/04
214	G 09 F	21/12	479	G 09 F	19/00	668	G 09 F	3/12		F 41 C	27/00			97/04
215	G 09 F	1/02	480	G 09 F	7/00	669	G 09 F	3/04	95	F 41 A	29/00	58	A 01 M	1/10
216	B 64 D	21/06	481-485	G 09 F	11/00	670	G 09 F	23/00			31/00	59	E 05 G	5/02
217	G 09 F	17/00	486-488	G 09 F	7/00	908-915	G 09 F			F 41 A	35/04	60-63	G 08 B	15/00
218	G 09 F	13/12	489-491	G 09 F	11/02					F 41 C	27/00		A 01 M	23/02
219	G 09 F	3/10	492	G 09 F	11/04					F 41 A	15/00			23/16
299	G 09 F	3/00	493,494	G 09 F	11/02					F 41 C	27/00	64	A 01 M	23/32
300-340	G 09 F	11/38	495,496	G 09 F	11/02					F 41 G	1/46			1/12
341,342	B 41 J	13/00	497-501	G 09 F	11/30					F 41 G	1/38	65-67	A 01 K	23/14
		13/00	502	G 09 F	11/32					F 41 G	1/42		A 01 M	69/06
343	B 41 J	13/00	503-507	G 09 F	11/30	1.01	F 41 A	9/53	101	F 41 G	1/34	68	A 01 M	23/08
		13/00	508-511	G 09 F	11/30	1.02,1.03	F 41 A	9/62	102	F 41 G	27/00			23/00
344-346	B 41 J	13/02	512	G 09 F	11/18	1.04,1.05	F 41 A	9/53	103	F 41 C	27/06	69,70	A 01 M	23/16
		13/02	513	G 09 F	11/00	1.06	F 41 A	21/00	104	F 41 C	27/00			23/12
347,348	B 41 J	15/02	514-523	G 09 F	11/12				105	F 41 C	27/00	71,72	A 01 M	23/10
		15/02	524-528	G 09 F	11/00				106	F 41 C	27/00	73	A 01 M	1/12
349-351	B 41 J	11/14	529	G 09 F	19/00							74,75	A 01 M	23/10
352-357	B 41 J	11/64	530-537	G 09 F	13/00							76-83.5	A 01 M	23/30
358	B 43 M	3/00	538-540	G 09 F	13/00	1.07	F 41 A	3/00						23/36
		3/00	541	G 09 F	13/20	1.08	F 41 C	9/00				84	A 01 M	27/00
359,360	B 42 F	21/00	542	G 09 F	13/22	1.09	F 41 C	9/02				85-87	A 01 M	23/34
	B 65 D	27/00	543	G 09 F	13/26	1.11	F 41 C	9/06				88-91	A 01 M	23/26
361-364	G 02 B	27/02	544	G 09 F	13/18	1.12	F 41 C	27/06				92	A 01 M	23/28
365	G 02 B	27/04	545	G 09 F	13/00	1.13	F 41 C	9/00				93-96	A 01 M	23/24
366,367	G 02 B	27/02	546	G 09 F	13/06	1.14	F 41 C	9/00						23/26
368,369	G 09 F	9/00	547-549	G 09 F	13/02	1.15	F 41 C	9/00				97	A 01 M	23/28
370	G 09 F	21/04	550,551	G 09 F	13/04	1.16	F 41 C	9/00				98,99	A 01 M	19/00
371	B 42 F	17/06	552-558	G 09 F	13/06	2.5	F 41 A	7/00						23/38
372	B 42 F	17/06	559	G 09 F	13/06	6.7	F 41 A	9/61						3/00
373-376	B 42 F	49/00	560-563	G 09 F	13/04	8-24	F 41 A	3/00						69/00
377	A 47 B	17/34	564,565	G 09 F	23/00	25	F 41 A	7/00						71/00
378	B 42 F	13/12	566,567	G 09 F	13/06		F 41 C	3/00						69/10
379	B 42 F	17/34	568-578	G 09 F	13/06		F 41 A	3/00						1/20
380	B 42 F	17/34	579,580	G 09 F	13/06		F 41 A	15/00						1/18
381	B 42 F	17/34	581	G 09 F	13/16	26-41	F 41 A	9/61				109-111	A 01 M	1/10
382,383	B 42 F	21/00	582,583	G 09 F	21/02	42.01-42.03	F 41 A	3/00						
384	B 42 F	17/28	584,585	G 09 F	21/04	43	F 41 A	3/00						
385-387	B 42 F	17/00	586	G 09 F	7/12	44,45	F 41 C	3/00						
388	B 42 F	17/20	587-593	G 09 F	7/16	46-48	F 41 A	15/00						
389	B 42 F	17/00	594	G 09 F	7/00	49.01-50	F 41 A	9/61						
390	B 42 F	17/22	595	G 09 F	71/06									
391	B 42 F	17/18	596,597	A 63 B										
392	B 42 F	17/18	598											
U.S. Class 42														
FIREARMS														
U.S. Class 43														
FISHING, TRAPPING AND VERMIN DESTROYING														

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 43—Con.			25	C 10 L	5/14	25	A 01 G	17/00	51	C 10 H	15/24	180.1	B 01 F	3/02
112	A 01 M	1/22	26	C 10 L	5/12	26,27	A 01 G	13/00	52-53.3	C 10 H	15/06		C 10 K	3/06
113	H 05 C	3/00			5/40	28	A 01 G	13/00	53.4	C 10 H	15/10		F 02 M	
	A 01 M	1/04	27	C 10 F			A 47 G	7/08	54	C 10 H	15/14	181-189	B 01 F	3/02
		1/08	28-30	C 10 F		29	A 01 G	13/04	55	C 10 H	15/08		C 10 K	
114-117	A 01 M	1/14		F 26 B		30,31	A 01 G	13/00	56	C 10 H	21/08	189.1	B 01 F	3/02
118	A 01 M	1/10	31	C 10 F	7/02	32	A 47 G	7/08	57	C 10 H	21/16		C 10 K	3/06
119	A 01 M	1/24	32	C 10 F	7/06	33	A 01 G	9/00	58	C 10 H			F 02 M	
120-123	A 01 M	1/10	33	C 10 F	5/00	39,40	A 47 G	7/00	59	C 10 H	21/02	189.2	B 01 F	3/02
		1/20			7/00	40.5	A 47 G	7/02	60	C 10 H	21/10		C 10 K	3/06
		5/00	42	C 06 F	3/00			33/12			7/00	189.3	F 02 M	31/00
		7/00				41-41.13	A 01 G	5/00	61	B 01 J			B 01 F	3/02
		13/00	43,44	A 24 F	27/12		A 47 G	7/00	62	C 10 J	3/00		C 10 K	3/06
		17/00		C 06 F	5/00	42,43	A 01 G		63,64	B 01 J	3/20	189.4	F 02 M	23/00
		19/00	45	A 24 F	27/20	44-47	A 01 G	17/06	65	C 10 J	3/18		B 01 F	3/02
		25/00			27/26			17/14			3/20		C 10 K	3/06
124	A 01 M		46	C 06 F	3/02	48.5	A 01 G	29/00	66	C 10 J	3/72	189.5	F 02 M	29/00
125-127	A 01 M	13/00	47	C 06 F		50-54	A 01 G	23/10	67,68	C 10 J	3/76		B 01 F	3/02
		19/00	48	A 24 F	29/00	55	A 01 G	5/00	69	C 10 J	3/72	189.6	C 10 K	3/06
128	A 01 K	55/00	50	C 10 L	1/00	56	A 01 C	1/04	71,72	C 10 G			F 02 M	29/04
129,130	A 01 M	19/00	51	C 10 L	1/32	57.5	A 01 G	29/00		C 10 J	3/68		C 10 K	3/06
131	A 01 M	1/20	52	C 10 L	1/00	57.6	A 01 C	1/06		C 10 K	3/00		F 02 M	29/04
		25/00	53-56	C 10 L	1/02			21/00	73	C 10 J	3/20	190	F 17 D	1/04
132.1	A 01 M	1/20	57	C 10 L	1/08	58	A 01 B	79/00	74	C 10 J	3/72	191,192	F 17 D	3/00
		5/00			1/10		A 01 C	1/00	75	C 10 J	3/20	193,194	F 17 D	5/02
		7/00	58-60	C 10 L	1/10	59-64	A 01 G	31/00	76-81	C 10 J	3/68	195	C 10 J	1/28
		17/00	61-63	C 10 L	1/14	65	A 01 G	31/02	82	C 10 J	3/20	196	C 10 J	1/00
133	A 01 M	5/00	64	C 10 L	1/22	66	A 01 G	9/02	83	C 10 J	3/22		C 10 K	
134,135	A 01 M	3/00	65,66	C 10 L	1/18	67	A 01 G	9/02	84	C 10 J	3/70	197	C 10 J	
		5/02	67	C 10 L	1/12		A 47 G	7/02					C 10 K	
136	A 01 M	3/04			1/30	68	A 01 G	9/02		C 10 K	3/00	199	C 10 J	1/20
		5/02	68,69	C 10 L	1/14	69	A 01 G	9/14	85	C 10 J	3/20		C 10 K	3/06
137	A 01 M	3/02			1/30	70	A 01 G	9/12	85.1	C 10 J	3/00	200	C 10 J	3/00
		5/02	70	C 10 L	1/18	71	A 01 G	9/04			3/72	201	C 10 J	3/68
138	A 01 M	5/04	71-75	C 10 L	1/22	72	A 01 G	9/02	85.2	C 10 J	3/00		C 10 K	3/06
139	A 01 M	1/06	76	C 10 L	1/24	73-75	A 01 G	23/02			3/32	202	C 10 J	3/16
		1/08			1/26	76	A 01 G	23/04	86	C 10 J	3/30		C 10 K	3/45
		5/00			1/28	77	A 01 G	9/10			3/50		C 10 K	3/06
		5/08			1/30	78	A 01 G	9/02	87	C 10 J	3/72	203,204	C 10 J	3/00
140	A 01 M	5/00	77,78	C 10 L	1/18	79-82	A 01 G	25/00	89	C 10 B	1/00	205	C 10 J	1/00
		5/08	79	C 10 L	1/20	83-87	A 01 G	9/02		C 10 J	3/00		C 10 K	3/06
141	A 01 M	5/08	90-505	C 10 L	5/00				90-96	C 10 J	3/00	206-210	C 10 J	3/00
142,143	A 01 M	5/04	506	C 06 C	9/00				98	C 10 J	3/20	211-215	C 10 J	3/00
		5/08	519	C 06 C	5/00						3/48		C 10 K	3/06
144	A 01 M	1/20	520-545	C 10 L	11/00								C 10 J	3/00
		15/00	550	C 10 L	5/00				99-101	C 10 B	1/00	216,217	C 10 H	
900	A 01 M	7/00	589,590	C 10 L	5/40					C 10 J	3/00	219	C 10 J	1/00
			591,592	C 10 L	5/02					F 27 B	5/00		C 10 K	3/06
			593-599	C 10 L	5/06					C 10 G	9/04			
			600-604	C 10 L	10/00					C 10 J	3/00			
			605-639	C 10 L	5/00					C 10 G	9/04			
			640-642	C 10 L	10/00					C 10 J	3/00			
U.S. Class 44			U.S. Class 47			U.S. Class 48			U.S. Class 49			MOVABLE OR REMOVABLE CLOSURES		
FUEL AND RELATED COMPOSITIONS			PLANT HUSBANDRY			GAS, HEATING AND ILLUMINATING								
3.1,3.3	C 06 B	33/00		A 01 C		1	C 07 C	11/24	102-107	C 10 G	9/04	1-8	E 05 F	15/20
3.6,3.8	C 09 K	5/00		A 01 G		2	C 10 H	5/00	108,109	C 10 G	3/00	9	E 01 F	13/00
	F 24 J	1/00		A 01 G	1/04	3	C 10 H		110	C 10 J	3/00	10-12	E 06 B	11/00
7.1-7.4	C 10 L	7/00		A 01 G	7/04	4	C 10 K	3/06	111-113	C 10 J	3/00	13,14	G 08 B	13/08
7.5	C 10 L	5/00		A 01 H	13/00	5-9	C 10 H	5/00	117,118	C 10 J	1/20	15-17	E 05 B	47/00
		7/00	1	A 01 C		10	C 10 H	5/04			1/06	18	E 05 B	47/06
		5/00		A 01 G	1/00	11		5/08	119,120	C 10 G	1/00		E 05 F	15/10
7.6,7.7	C 11 C	5/00	1.1	A 01 G	1/04	12-18	C 10 H	5/00		C 10 B	1/08	19,20	E 05 B	47/00
11-13	B 28 B	11/00	1.3	A 01 C	7/04	19-22	C 10 H	7/00		C 10 G	9/04	21-23	E 05 F	15/20
	B 30 B	5/22	1.4	A 01 G	7/00	23-27	C 10 H	1/00		C 10 J	3/00	24	E 05 B	53/00
	C 10 L	5/36		A 01 H	13/00	28		3/00		F 27 B	5/00	25	E 05 F	15/20
14	C 10 L	5/10	1.41	A 01 G	7/00	29-33	C 10 H	1/00		C 10 B	1/04	26-28	E 05 F	15/02
15	C 10 L	5/40		A 01 H	1/02	34,35	C 10 H	3/00		C 10 G	9/04	29-31	E 05 F	15/10
		5/12	1.42	A 01 B	77/00			19/02	122	C 10 B	1/08	32	E 05 F	15/20
16	C 10 L	5/40		A 01 G	11/00			3/00		C 10 G	9/04	33	E 06 B	11/00
17	C 10 L	5/02	1.43	A 01 B	41/00			1/00		C 10 J	3/00	34	E 01 F	13/00
18	C 10 L	5/10	1.44	A 01 M	15/00	36	C 10 H	3/00		F 27 B	5/00	35	E 05 B	65/00
		5/40	1.5,1.7	A 01 C				21/08	124,126	C 10 B	1/00	36	B 60 J	5/00
19	C 10 L	5/12		A 01 G		37	C 10 H	1/02		C 10 G	9/04	37	E 06 B	7/00
		5/16	2	A 01 G	13/00			3/00		C 10 J	3/00	38,39	E 06 B	7/02
		5/40	3-5.5	A 01 G	7/00	38	C 10 H	15/00		C 10 K	9/04	40,41	E 06 B	3/34
20,21	C 10 L	5/12	6.7	A 01 G	1/00			19/00	128	C 10 G	9/04	42-45	E 05 D	15/02
		5/14	8	A 01 G	17/18	39	C 10 H	15/14	144,160	C 10 J	1/00	46,47	E 06 B	11/08
		5/40	9	A 01 G	7/00	40-42	C 10 H	15/00		F 17 B	1/14	48	B 60 J	1/08
22	C 10 L	5/14	10-12	A 01 G	23/10	43	C 10 H	15/08	170	C 10 K	3/82	49	E 01 F	13/00
		5/40	14-16	A 01 C	1/00	44,45	C 10 H	15/00	173	C 10 J	3/82	50-57	E 06 B	3/68
23	C 10 L	5/16	17-19	A 01 G	9/00	46	C 10 H	15/00	174	F 17 B	1/18			
		5/40	20-22	A 01 G	13/02			19/00	175	F 17 B	1/20			
24	C 10 L	5/14	23	A 01 G	13/10	47	C 10 H	15/20	176	F 17 B	1/18			
		5/18			17/00	48,49	C 10 H	15/18	177	F 17 B	1/20			
		5/40	24	A 01 G	17/12	50	C 10 H	15/00	178,179	F 17 B	1/18			

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 49—Con.			246-249	E 05 D	15/28	387	E 05 F	1/00	26	B 24 B	15/00	154,155	B 24 B	5/00
58-60	E 06 B	9/01	250-252	E 05 D	15/30	388	E 05 D	7/08	27-30	B 23 C	3/05	156,157	B 24 B	25/00
61-63	E 05 B	65/04			15/42	389	E 05 D	7/10		B 24 B	15/02	158,159	B 24 B	3/48
64	E 05 C	7/02	253	E 05 D	15/44	390	E 05 D	7/12	31-41	B 24 B	7/00	160	B 24 B	13/00
65-67	E 06 B	7/08			15/48			15/00	42	B 24 B	5/00	161	B 24 B	5/00
68-70	E 05 B	65/04	254	E 05 D	15/58	391	E 06 B	3/34	43-47	B 24 B	7/00	162	B 24 B	5/00
71	E 05 C	7/02	255,256	E 05 F	7/02	392,393	B 60 J	1/14			9/00	163,163.2	B 24 B	31/00
72	E 06 B	7/08	257-260	E 05 D	15/56	394	E 06 B	7/16	48	B 24 B	3/00	164.1-164.5	B 24 B	31/02
73	E 05 C	7/06	261	E 05 D	13/02		E 05 C	65/06	49	B 24 B	5/18	165-165.93	B 24 B	49/00
74-92	E 05 F	17/00	262	E 05 F	13/00		E 05 C	17/00	50	B 24 B	5/00	166-169	B 24 B	41/00
	E 06 B	7/08	263-272	E 05 F	13/00	395	E 05 C	9/00			29/00	170-180	B 24 B	23/00
93	E 06 B	11/00	273,274	E 05 F	13/04	396	E 05 F	7/06	51	B 24 B	3/46	181	B 24 B	25/00
94-102	E 05 C	7/06	275-278	E 05 F	11/00	397-402	E 05 D	7/00			29/00	204-214	B 23 F	21/03
	E 05 F	17/00	279	E 05 F	11/54	403	E 05 D	15/06	52	B 23 F	19/05		B 24 B	21/23
103	E 05 F	5/12			11/02	404	E 06 B	15/16		B 24 B	5/00		B 24 B	33/00
104-123	E 05 C	7/06	280	E 05 F	11/02			11/00	53	B 24 B	5/00		B 24 D	5/00
	E 05 F	17/00	281	E 05 F	11/54	405	E 05 D	15/14	54-66	B 24 B	7/00	215	B 24 B	47/02
124	E 06 B	11/00	282-299	B 61 L	29/08	406,407	E 05 D	15/16			9/00	216,217	B 24 B	41/06
125-127	E 05 D	15/26			11/02		E 06 B	7/00	67	B 24 B	5/00	218-229	B 24 B	19/00
128-130	E 05 D	15/20	300	E 05 F	11/00	408	E 06 B	7/14	68-78	B 24 B	7/00	230-234	B 24 B	47/02
131	E 06 B	11/00			11/54	409-412	E 05 D	13/00			9/00	235	B 24 B	47/00
132-134	E 05 F	13/04	301	E 05 F	11/04			15/06	79	B 24 B	5/18	236,237	B 25 B	5/00
	E 06 B	11/00	302	E 05 F	11/54	413	E 05 D	15/06	80-87	B 24 B	9/00	238-240	B 24 B	7/07
135	E 06 B	11/00			7/20	414-419	E 05 D	13/00	88,89	B 24 B	5/00	241-261	B 24 B	19/00
136	E 05 F	11/00	303-315	E 06 B	7/28			15/16	90-95	B 24 B	3/00	262	B 24 B	21/18
137	E 05 F	15/02	316-321	E 05 D	13/00	420	E 05 D	13/00			5/00			33/00
138-140	E 05 F	15/00	322	E 05 F	3/00		E 06 B	7/16	96	B 24 B	7/00			47/26
141	E 05 B	65/10	323	E 05 F	11/38	421-423	E 05 D	15/06			5/00	262.1	B 41 J	11/62
142,143	E 05 D	15/00	324-326	E 05 F	11/00	424	E 05 D	13/00	97	B 24 B	5/00	263,264	B 24 B	57/00
	E 06 B	3/32	327-332	B 61 L	29/08	425-427	E 05 D	15/16	98-99	B 24 B	7/00	265	B 24 B	55/04
144	B 60 J	1/12			11/02			7/16	100	B 24 B	7/00	266,267	B 24 B	55/02
145	E 06 B	3/32			11/00	428	E 05 D	13/00			17/00	268-272	B 24 B	55/04
146	B 60 J	1/08	333	E 05 F	11/00	429,430	E 05 F	15/16	101,102	B 24 B	7/00	273	B 24 B	55/06
147	E 05 D	7/00	334	E 05 F	15/02			15/10			9/00	274	B 24 B	55/04
148	E 06 B	7/00			11/00	431-444	E 05 D	15/16	103	B 24 B	5/00	275-277	B 24 B	19/00
149	E 05 D	15/48	335-337	E 05 F	11/00	445-448	E 05 F	7/16			5/18	281-292	B 24 B	1/00
150,151	E 05 D	11/52	338,339	E 05 F	11/24			3/00	104	B 24 B	3/46			7/19
152-154	E 05 D	15/48	340	E 05 F	11/24	431-444	E 05 D	15/16			5/00	293	B 24 D	3/00
	E 05 F	11/52			15/10		E 06 B	7/16	105	B 23 C	3/05			11/00
155	E 05 D	15/22	341-343	E 05 F	11/24	445-448	E 05 F	1/00		B 24 B	5/00			17/00
156	E 06 B	11/00	344	E 05 F	11/08			3/00	106	B 24 B	5/00		C 09 K	3/14
157	E 05 D	15/48	345	E 05 F	11/28	449	E 05 B	55/00			29/00	294	B 24 D	11/02
	E 05 F	11/52	346	E 05 F	11/24		E 05 F	1/00	107	B 24 B	5/00		B 24 B	1/00
158-160	E 06 B	11/00	347	E 05 F	11/04			3/00	108	B 24 B	5/00	295	B 24 D	11/00
161,162	E 05 D	15/22	348	E 05 F	11/38	450,451	E 05 F	1/00			5/18	296	B 24 B	1/00
163	E 05 D	15/48	349	E 05 F	15/08	452-459	E 05 D	13/00			29/00	297	B 24 D	3/00
	E 05 F	11/52			15/16			15/06	109-116	B 24 B	7/00	298-303	C 09 K	3/14
164,165	E 05 D	15/22	350,351	E 05 F	11/44			15/16			9/00	304	C 11 C	3/14
166,167	B 60 J	1/08			11/46	460	E 05 B	1/00			5/00	305,306	B 24 B	1/00
	E 05 D	15/48	352	E 05 F	11/48		E 06 B	3/30	117	B 24 B	5/00	307-309	B 24 D	3/02
168-170	E 05 D	15/48	353	E 05 F	11/44	461	E 05 F	7/00	118	B 24 B	5/00		C 09 K	3/14
	E 05 F	11/52	354,355	E 05 F	11/36	462	B 60 J	5/00			29/00		C 11 C	3/14
	E 06 B	7/28	356	E 05 F	9/00		E 05 F	7/00	119-122	B 24 B	7/00		B 24 B	1/00
171	E 06 B	7/28	357-361	E 05 F	11/00	463,464	E 05 F	3/32			9/00	308	B 24 B	1/00
172-189	E 05 D	15/22	362	E 05 F	11/34	465	E 06 B	21/02	123	B 24 B	3/00		B 24 D	3/02
190,191	E 06 B	11/00			11/40	466	E 06 B	7/18			5/00		C 09 K	1/68
192	E 05 D	15/52	363	E 05 F	11/12	467-471	E 06 B	1/70	124-126	B 24 B	7/00		C 09 K	3/14
193	E 05 D	15/50	364	E 05 B	65/00	472-474	E 06 B	1/04			9/00	310-316	B 24 B	1/00
194-196	E 05 D	15/22	365	E 06 B	5/00			7/16	127	B 24 B	7/00	317-321	B 24 B	1/00
197,198	E 05 D	15/38	366,367	E 05 C	7/04	475-500	E 06 B	7/16			9/00		B 24 C	1/00
		15/56			15/18			3/32			17/00	322-328	B 24 B	1/00
199,200	E 05 F	11/00			3/32	501	E 06 B	3/00	128	B 24 B	7/00	330	B 23 F	19/05
		15/00	368,369	E 06 B	7/16	502	B 60 J	5/04			9/00		B 24 D	9/00
201,202	E 05 D	15/22	370	E 06 B	3/42	503	E 06 B	3/00			5/00	331-354	B 24 B	9/02
203-206	E 05 D	15/40	371	E 06 B	3/34	504,505	E 06 B	1/04	129	B 24 B	5/24		B 24 B	3/00
207	E 05 D	15/08	372-378	B 60 J	1/16	506,507	E 06 B	3/00	130	B 24 B	11/00	355	B 24 B	55/02
208	E 05 D	15/56			11/38			21/02			5/00	356	B 24 B	9/08
209	E 05 D	15/10	379	E 05 F	1/00			7/18	131.1-131.5	B 24 B	29/00	357	B 24 D	17/00
210	E 05 F	11/38	380	E 06 B	1/00			1/70			5/00	358-361	B 24 D	9/10
211	E 05 F	11/52			3/32			1/04	132-134.5	B 24 B	21/00	362	B 24 D	17/00
212-225	E 05 D	15/10	381	E 05 D	15/00			7/16	135-143	B 24 B	21/00	363	B 24 B	45/00
226	E 05 D	15/06			3/34			7/16	144	B 24 B	21/00	364-369	B 24 B	9/10
227	E 05 F	11/52			11/00			7/16			21/00	370,371	B 24 B	9/10
228-231	E 05 D	15/06	382	E 05 D	7/02	1	B 24 B	25/00	145	B 24 B	5/00	372-375	B 24 D	9/02
232,233	E 05 D	15/14	383	E 05 D	11/00	2-5	B 24 B	7/00			21/02	376-390	B 24 D	17/00
234,235	E 05 D	15/56			7/16			9/00	146-153	B 24 B	21/00	391-393	B 24 D	15/00
	E 06 B	3/50	384	E 05 D	5/14	6,7	B 24 B	19/00			23/06	394-407	B 24 C	3/00
236-245	E 05 D	7/06	385	E 05 D	7/00	16-25	B 24 B	31/00			25/00	410	B 24 C	3/32
	E 05 F	1/04	386	E 05 F	1/10							411	B 24 C	3/32

U.S. Class 51

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 51—Con.					5/00	174-176	E 01 F	9/00			15/22	776	A 45 D	42/00
412	B 24 C	3/34			6/00		E 04 H	6/42	404	E 04 B	1/74		E 04 B	1/61
413,414	B 24 C	3/32			9/00	177-181	E 04 F	11/16	405-407	E 04 B	2/00	777	E 04 B	2/00
415,416	B 24 C	3/00	80,81	E 04 B	14/00			15/00	408-413	E 04 B	5/00		E 04 C	2/34
417-420	B 24 C	3/08			1/32	182-191	E 04 F	11/00	414	E 04 B	1/18	778-781	E 04 B	2/00
		3/18			7/08			19/10	415-421	E 04 B	2/00		E 04 C	2/54
421	B 24 C	3/20	82	E 04 B	7/00	192-197	E 04 H	7/00	422	E 04 C	3/30	782	E 04 C	2/00
422	B 24 C	3/26	83	E 04 B	7/14	198,199	E 04 B	7/00	423-442	E 04 B	2/00		E 04 C	2/54
423	B 24 C	3/30	84	B 61 D	17/02		E 04 H	12/28	443-454	E 04 B	9/00	783,784	A 47 B	13/08
424-426	B 24 C	9/00			9/14	200	E 04 B	7/18		E 04 F	13/04		E 04 C	2/54
427	B 24 C	3/00	85	E 04 G	15/02	201	E 06 B	1/38	455-458	E 06 B	3/70	785	E 04 C	2/54
		5/04	86-89	E 06 B	1/24	202	E 06 B	3/26	459-472	E 04 C	3/00	786	A 47 G	1/00
428	B 24 C	5/00	90-93	E 04 B	1/32	203	E 06 B	3/28		E 04 D	1/36		E 04 C	2/54
429	B 24 C	3/06	94-96	E 04 B	7/02	204-207	E 06 B	1/04	473	E 06 B	7/08	787-790	E 04 C	2/54
430	B 24 C	5/08			7/00	208	E 06 B	3/00	474-491	E 04 B	9/00	791	E 04 C	2/34
431	B 24 C	5/06			3/40	209	E 06 B	7/14		E 06 B	3/54	792	E 04 C	2/32
432,433	B 24 C	5/06			13/00	210-217	E 06 B	1/04	503-505	E 04 B	5/48	793,794	E 04 C	2/34
		7/00	97	E 04 D	13/00	218	E 04 H	12/28		E 04 C	1/39	795-801	E 04 C	2/32
434,435	B 24 C	5/06			15/00	219	E 04 D	13/14			3/30	802-806	E 04 C	2/34
436,437	B 24 C	7/00	98-100	E 04 B	1/00		E 04 G	15/06	506-513	E 04 B	1/38	807	E 04 C	2/36
		9/00		E 04 C	1/00		E 04 H	12/28		E 04 C	1/40	808-810	E 04 C	2/34
438	B 24 C	7/00	101	A 01 K	3/00	220,221	E 04 B	5/48	514	E 02 D	37/00	811	E 04 C	2/00
439	B 24 C	5/04		E 04 B	1/72		E 04 F	17/00		E 04 G	23/00	812	A 45 D	42/00
				E 04 H	9/16	222	E 04 B	1/00	515-517	B 27 K	1/00		A 47 G	1/00
			102	E 02 D	27/00	223-230	E 04 C	3/10			3/00	813	E 04 C	2/38
			103,104	E 01 F	9/02			3/26			5/00	814	E 04 C	2/32
				E 04 H	13/00			5/08		E 04 B	1/62	815-830	E 04 C	2/38
			105	E 04 B	1/00	231	E 04 C	3/20	518-542	E 04 D	1/00			
			106	E 04 H	3/08	232	E 04 C	2/00	543-552	E 04 D	1/34			
			107	E 04 F	17/06	233	E 04 B	1/10	553-560	E 04 D	1/00			
				E 06 B	5/02	234-243.1	E 04 H	1/00	561-572	E 04 B	1/02			
			108,109	E 04 H	12/18			3/00		E 04 C	3/30			
			110	E 01 Q	1/08			6/00	573	E 04 B	1/68			
			111-121	B 66 C	23/06	244	E 04 H	12/28	574-577	E 04 C	3/30	48,49	B 65 B	21/00
					23/62	245-249	E 04 B	1/32	578-595	E 04 C	3/00			21/08
				E 04 H	12/34		E 04 G	11/04			3/30			27/04
			122.1	E 02 D	35/00		E 04 B	1/00	596-612	E 04 B	5/04	50	B 65 B	61/20
				E 04 B	1/00	250-260	E 04 B	1/00		E 04 C	2/04	51	B 65 B	57/00
				E 04 G	21/00	261-289	E 04 B	1/00	630	E 04 C	2/32	52	B 65 B	19/28
			123.1	B 66 C	23/34			5/00			2/38			57/00
				E 04 H	12/34			7/00	631	E 04 C	2/00	53-58	B 65 B	57/00
			124.1,124.2	E 04 H	13/00	290	E 04 B	5/00	632	E 04 G	25/00	64-72	B 65 B	57/02
			125.1-125.6	E 02 D	35/00		E 04 F	19/04		E 04 H	12/18	73,74	B 65 B	57/12
				E 04 G	21/14	291	E 04 G	23/00	633-636	E 04 B	1/18	75,76	B 65 B	57/00
				E 04 H	12/34	292-297	E 02 D	27/00			5/10		B 67 B	3/26
			126.1	E 04 B	2/82			27/32			5/18	77	B 65 B	57/00
					9/00	298,299	E 02 D	27/42		E 04 C	3/02	79-111	B 65 B	31/00
				E 04 G	1/22	300,301	E 04 H	12/00	637,638	E 04 H	12/00		B 65 D	81/18
			126.2	E 04 B	5/48	302,303	E 04 B	1/70	639-644	E 04 B	1/32	113,114	B 65 B	
			126.3,126.4	E 04 B	2/82		E 04 F	17/00			7/08	115	B 65 B	55/00
			126.5,126.6	E 04 B	9/00	304	E 06 B	3/24		E 04 C	7/08			55/20
			126.7	E 04 G	1/22			3/64	645,646	E 04 H	12/18			61/22
			127.1	E 02 D	35/00	305	E 04 B	1/70	647	E 04 B	5/10	116-120	B 65 B	63/00
				E 04 B	1/00		E 04 F	17/00		E 04 C	3/02	121,122	B 65 B	55/00
				E 04 G	21/14	306-308	E 04 B	5/46	648-655	E 04 H	12/00			63/00
			127.11,127.12	E 04 B	2/82		E 04 C	1/42	656-658	E 04 C	2/38	127	B 65 B	63/08
			127.2	E 04 G	21/04	309.1-309.9	E 04 C	1/00	659	E 04 C	5/00	128-132	B 65 B	61/00
					21/26	310	E 04 B	1/16	660-676	E 04 C	2/42	133	B 65 B	61/18
			127.3,127.4	E 04 B	1/00		E 04 G	21/00			5/04	134-136	B 65 B	61/14
			127.5	E 04 B	1/38	311-316	B 44 F	7/00		E 04 F	15/06	137-139.3	B 65 B	61/00
			127.6,127.7	E 04 B	1/61			9/00			19/10	140	B 65 B	
			127.8,127.9	E 04 B	2/82		E 04 C	1/00	677-689	E 04 C	5/16	141	B 65 B	47/02
			128-142	E 04 H	13/00	317	E 04 B	1/94	690-697	E 04 C	3/02			53/00
			143	E 04 B	1/34	318	E 04 F	15/14			3/30			61/00
				E 04 H	1/12	319	E 04 B	1/20		E 04 H	12/00	142-146	B 65 B	35/56
			144,145	E 04 B	1/82			5/16	698-715	E 04 B	1/38	147	B 65 B	5/06
			146-152	E 04 H	12/20			5/18		E 04 C	5/00			21/06
			153,154	E 04 H	12/20	320-322	E 04 B	5/00	716	E 04 C	2/38			35/30
					17/22		E 04 C	3/00	717,1,718.1	E 04 F	19/02	148	B 65 B	19/04
			155-166	E 02 D	5/74	323-325	E 04 B	5/00		E 04 C	5/16			19/34
			167	E 02 D	27/34		E 04 C	3/30	719	E 04 C	3/30	149-151	B 65 B	35/30
				E 04 B	1/98	326-341	E 04 B	1/16	720,721	E 04 C	3/30			35/30
				E 04 H	9/02			1/20	722-725	E 04 C	3/34			35/30
			168	E 04 B	1/92			5/18	726-740	E 04 C	3/30	152,153	B 65 B	35/30
			169.1,169.11	E 02 D		342,343	E 04 F	13/04	741-748	E 04 B	1/00	154-157	B 65 B	35/54
			169.12	B 60 R	27/00	344-363	E 04 B	9/00		E 04 G	21/00	158	B 65 B	35/30
				E 02 D			E 04 F	13/04			23/00	167	B 65 B	17/00
			169.13	E 02 D	27/42	364-366	E 04 C	3/16	749	E 04 D	15/00			55/00
			169.14	E 02 D	19/00		E 04 F	13/06		E 04 F	21/00			61/00
			169.2-169.4	E 02 D		367-375	E 04 B	2/00		E 04 G	21/14			65/08
			169.5	E 02 D	19/00	376,377	E 04 B	5/00	750	E 04 B	1/00	168	B 65 B	
			169.6-169.9	E 02 D	27/00	378-383	E 04 B	1/16	761-763	E 04 B	2/00	169	B 65 B	19/18
			170	E 02 D	27/42	384-392	E 04 F	13/08	764-774	E 04 B	1/61			43/40
			171,172	E 06 B	7/12	393-403	E 04 B	1/62	775	E 04 B	1/61	170-176	B 65 B	41/18
			173	E 04 H	14/00		E 04 F	15/14		E 04 C	2/34	201,202	B 65 B	

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 53—Con.			329-331	B 65 B	7/28									
203	B 65 B	11/00	331.5	B 65 B	7/28	433,434	B 65 B	31/04	483	B 65 B	7/12	539	B 65 B	35/50
		19/22		B 67 B				31/00	484	B 21 D	51/26		B 65 B	35/30
		21/24	332,333	B 65 B	1/06	435	A 21 C	15/04		B 65 B	7/16	540,541	B 65 B	35/30
		25/18		B 65 B	7/28	436	B 65 B	63/00		B 67 B	1/00		B 65 B	35/50
		49/00		B 67 B				13/20			3/00	542,543	B 65 B	35/30
204	B 65 B	11/00	334-336	B 65 B	7/28			63/02	485	B 65 B	7/28	544	B 65 B	35/30
	B 65 H	49/00		B 67 B	3/10	437	B 65 B	1/22		B 67 B	1/00	545-547	B 65 B	35/56
		81/00	337	B 65 B	7/28	438,439	B 65 B	1/24			3/00		B 65 B	9/00
205	B 65 B	11/00	338-365	B 65 B	7/28			63/02			5/00	548,549	B 65 B	51/30
		49/00		B 67 B	3/10	440	B 65 B	55/14	486	B 65 B	7/28	550,551	B 65 B	9/06
206	B 65 B	11/48	366-369	B 65 B	7/28			63/08		B 67 B	1/00	552	B 65 B	9/06
		49/00		B 67 B		441	B 65 B	53/00			3/00		B 65 B	9/12
207-210	B 65 B	11/00	370	B 65 B	7/12	442	B 65 B	53/02	487	B 65 B	7/28	553-555	B 65 B	9/02
		49/00			51/00	443	B 65 B	21/06		B 67 B	3/04	556	B 65 B	53/00
211-217	B 65 B	11/04	371,372	B 65 B	7/06			35/30	488	B 65 B	7/28	557	B 65 B	53/02
		21/26	373	B 65 B	7/06	444	B 65 B	19/04	489	B 65 B	7/28	558	B 65 B	1/02
		49/00			51/10			19/34		B 67 B	1/04			1/04
218,219	B 65 B	11/02			51/32	445	B 65 B	35/30	490	B 65 B	7/28			3/02
		45/00	374	B 65 B	7/20			61/20		B 67 B	1/06			3/04
		49/00	375	B 65 B	7/20	446	B 65 B	35/56			3/20			5/00
220-224	B 65 G	11/06			51/10	447	B 65 B	35/50	491	B 65 B	7/20	559-561	B 65 B	47/00
		49/00			51/32	448	B 65 B	35/30	492	B 65 B	43/26	562	B 65 B	43/02
225	B 65 B	11/28	376,377	B 65 B	7/26	449	B 65 B	11/58			43/38			43/04
		49/00	378	B 65 B	7/04	450,451	B 65 B	9/00			43/40	563	B 65 B	1/02
226	B 65 B	11/06			7/18	452	B 65 B	3/02		B 67 B	7/00			3/02
		49/00	379	B 65 B	7/04			5/02	493	B 65 B	1/30			5/02
227	B 65 B	11/14			7/18			43/00			3/26			43/08
		11/24			51/10	453,454	B 65 B	47/00			57/00	564,565	B 65 B	43/26
		11/34			51/32	455	B 65 B	43/04	494	B 65 B	3/26	566	B 65 B	43/24
		11/44	380	B 65 B	7/04	456	B 65 B	43/08			19/32	567	B 65 B	9/10
		49/00			7/18	457	B 65 B	43/12			57/10	568	B 65 B	9/06
228-233	B 65 B	11/06	381	B 65 B	43/26	458	B 65 B	3/02			1/30	569,570	B 65 B	43/26
		49/00		B 67 B	7/16			5/02	495-497	B 65 B	3/26	571-573	B 65 B	43/14
234	B 65 B	11/28	382	B 65 B	43/38	459	B 65 B	9/00			57/10			43/44
		49/00	383,384	B 65 B	13/32			43/26	498-500	B 65 B	1/30	574	B 65 B	43/42
235	B 65 B	1/04			43/26	460	B 65 B	11/48			3/26			43/54
		3/04			51/02	461,462	B 65 B	11/00			57/20	575	B 65 B	9/10
		5/00	385,386	B 65 B	43/36			49/00			57/10			43/42
		39/00	387,388	B 65 B	51/00	463	B 65 B	51/10			57/20	576,577	B 65 B	43/42
236	B 65 B	1/04	389	B 65 B	41/00	464	B 65 B	11/00	501	B 65 B	1/30	578,579	B 65 B	47/00
		3/04	390-392	B 65 B	67/00			47/00			3/26	580	B 65 B	11/00
		5/00	393	B 65 B	65/00			49/00			57/20			13/00
		19/00	394,395	C 06 F	5/00	465	B 65 B	11/00	502	B 65 B	1/32			27/00
		39/00	396	B 65 B				49/00			3/28	581	B 65 B	15/00
237-243	B 65 B	1/04	397	B 65 B	11/00	466	B 65 B	11/00	503	B 65 B	1/36	582	B 65 B	11/00
		3/04			13/00	467	B 65 B	1/04			3/30	583	B 65 B	51/08
		5/00			15/00			3/04	504	B 65 B	1/30	584	B 65 B	19/26
		39/00			27/00			5/00			3/26	585	B 65 B	11/00
244,245	B 65 B	1/04	398	B 65 B	21/00	468	B 65 B	7/00	505,506	B 65 B	1/30	586	B 65 B	11/00
		3/04	399	B 65 B	13/02			43/26			3/26			13/00
		5/10	400-402	B 65 B	29/00			7/00			57/02			27/00
		39/00	403	B 65 B	31/00	469	B 67 B	1/04	507	B 65 B	57/00	587	B 65 B	11/56
246	B 65 B	1/04		B 67 B	3/24		B 65 B	1/04			65/08			13/00
		3/04	404-408	B 65 B	31/00			3/04		B 67 B	3/26			27/00
		5/04	409	B 65 B	11/00			5/00		G 08 B		588	B 65 B	11/00
		39/00			25/24			7/00	508	B 65 B	57/18			13/00
247-263	B 65 B	1/04		B 65 H	81/00	470	B 65 B	7/00		B 67 B	3/26			27/00
		3/04	410	B 65 B	61/00			31/00		G 08 B		589	B 65 B	13/04
		5/00	411	B 65 B	61/02	471	B 65 B	7/28	509	B 65 B	11/52	590	B 65 B	11/00
		39/00	412	B 65 B	61/18		B 67 B	1/00	510	B 65 B	31/00			13/14
264,265	B 65 B	7/28	413	B 65 B	29/04			3/00			55/00			27/00
266-284	B 65 B	1/00			61/14			3/28	511,512	B 65 B	31/00	591	B 65 B	11/00
		3/00	414	B 65 B	51/08			5/00		B 65 B	63/00			13/00
		5/00	415	B 65 B	61/00	472	B 65 B	23/00	513-515	A 21 C	15/04			27/00
285,286	B 65 B	7/00	416	B 65 B	51/08	473	B 65 B	1/04		B 65 B	63/00	592	B 65 B	67/08
287-289	B 65 B	7/28	417	B 65 B	51/00			3/04	517	A 22 C		593	B 65 B	25/14
	B 67 B		418	B 65 B	51/07			5/00		B 65 B	63/00			27/08
290-295	B 65 B	7/28	419	B 65 B	51/06	474	B 65 B	3/04	518,519	A 23 C		594	B 65 B	11/00
	B 67 B	1/03	420-424	B 65 B	61/00			59/00		B 65 B	63/00	900	B 65 B	43/00
296-298	B 65 B	7/28		B 65 B	55/02			61/20	520-522	B 65 B	63/00			43/42
	B 67 B	3/02	425	B 65 B	55/04	475	B 65 B	3/24	523	B 65 B	1/20			61/00
		3/04	426	B 67 B	1/03			5/10			63/02			
299-305	B 65 B	7/28	427	B 65 B	11/52	476	B 65 B	7/00	524	B 65 B	1/24			
	B 67 B		428	A 21 D			B 67 B	1/00			63/02			
306-312	B 65 B	7/28		A 22 C				3/00	525	B 65 B	1/22	U.S. Class 54		
	B 67 B	3/06		B 65 B	1/20			5/00	526	B 65 B	1/24	HARNESS		
313-316	B 65 B	7/28			13/20	477,478	B 65 B	51/10			61/24	1,2	B 68 B	1/00
	B 67 B	3/28			31/00	479	B 65 B	7/02			63/02	3	B 68 B	3/02
317,318	B 65 B	7/28			55/00			7/14	527,528	B 65 B	63/02	4	B 68 B	1/00
	B 67 B	1/06			63/00			51/10			1/24	5	B 68 B	3/18
		3/20	429,430	B 65 B	63/04	480	B 65 B	7/04	529,530	B 65 B	13/20	6	B 68 B	1/04
319-328	B 65 D	45/00	431	B 65 B	55/18	481	B 65 B	7/06			63/02	7-9	B 68 B	1/06
	B 67 B	1/04			55/22	482	B 65 B	7/08			35/30			
		5/02	432	B 65 B	31/02			7/10	531-538	B 65 B				

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 54—Con.			17	B 01 D	57/00			57/00			47/00			47/00
10,11	B 68 B	1/10	18-21	B 01 D				59/00			53/00			49/00
12-14	B 68 B	1/12	22	B 01 D	47/00	74-76	B 01 D	53/02	178	B 01 D	19/02			50/00
15	B 68 B	1/04	23,24	B 01 D	51/00	77-79	B 01 D	53/06	179-181	B 01 D	53/00			51/00
16,17	B 68 B	1/08	25-28	B 01 D	51/00	80	B 01 D	47/00	182	B 01 D	19/02			53/00
		1/00			53/00			49/00	183-188	B 01 D	19/00			57/00
18,19	B 68 B	3/04	29-33	B 01 D	53/02			50/00	189-195	B 01 D	19/00			59/00
20	B 68 B	3/14			53/14			51/00			39/00	289	B 01 D	50/00
21	B 68 B	3/12	34	B 01 D	53/06			53/22			41/00	290	B 01 D	46/38
22	B 68 B	5/04	35	B 01 D	53/02			53/28			45/00	291-305	B 01 D	41/00
23	B 68 C	1/00	36-56	B 01 D	53/14			57/00			46/00			45/18
24	B 68 B	1/02			19/00			59/10			47/00			46/04
25-29	B 68 B	3/04	57,58	B 01 D	51/06	81	B 01 D	53/26			49/00	306	B 01 D	39/00
30-33	B 68 B	5/02	59	B 01 D	53/00	82	B 01 D	59/16			50/00			46/00
34,35	B 68 B	1/00	60,61	B 01 D	53/08	83	B 01 D	47/00			51/00			46/48
		5/00			53/14			50/00			53/00			1/14
36	B 68 B	1/00	62	B 01 D	53/00			57/00	196	B 01 D	57/00	307,308	B 01 D	39/00
		1/04	63	B 01 D	19/00	84-87	B 01 D	47/00	197	B 01 D	15/08	309-314	B 01 D	46/42
37-44	B 68 C	1/00			39/00			47/05			19/00			46/44
45	B 68 C	1/06			41/00	88	B 01 D	47/00	198	B 01 D	19/00			46/46
46	B 68 C	1/20			43/00			5/00			47/02	315-337	B 01 D	50/00
47-49,5	B 68 C	3/00			45/00	89-93	B 01 D	47/00			47/04			59/50
50,51	B 68 B	1/00			46/00	94	B 01 D	47/06	199-207	B 01 D	47/00	338-340	B 01 D	9/00
52,53	B 68 B	3/20			47/00	95	B 01 D	47/02			53/22			39/00
54-56	B 68 B	3/22			49/00	96	B 01 D	46/04			53/24			41/00
57-64	B 68 B	1/00			50/00	97	B 01 D	46/00			53/26			45/00
65	B 68 B	3/08			53/00			47/00			53/28			46/00
		3/10			57/00			49/00			57/00			47/00
		3/16			59/00			50/00	208	B 01 D	19/00			49/00
66	B 68 B	1/12						51/00			53/26			50/00
		3/08	64,65	B 01 D	19/00			53/00			53/28			51/00
		3/10	66	B 01 D	53/00			57/00	209	B 01 D	53/22			53/00
67	B 68 B	3/16			23/00	98	B 01 D	53/30			59/16			57/00
		3/08	67	B 01 D	15/08	99	B 01 D	46/32	210-219	B 01 D	19/00			59/50
		3/10	68	B 01 D	19/00	100	B 03 C	1/00			39/00	341.1-341.7	B 01 D	46/02
68	B 68 B	3/16			39/00	101	B 03 C	1/00			41/00	342-344	B 01 D	45/00
		3/08			41/00	102	B 03 C	3/38			45/00	345-349	B 01 D	45/12
		3/10			43/00	103	B 03 C	3/30			46/00	350	B 01 D	50/00
		3/16			45/00	104-106	B 03 C	3/66			47/00			53/00
69	B 68 B	5/00			46/00			3/72			49/00	351-354	B 01 D	46/18
70	B 68 B	5/08			47/00	107	B 03 C	3/00			50/00			46/20
		1/00			49/00			3/00			51/00			46/22
		5/00			50/00			5/00			53/00			53/06
71,72	B 68 B	1/00			51/00			9/00			57/00	355-360	B 01 D	9/00
73	B 68 B	1/04			53/00	108-111	B 03 C	3/16			59/00			39/00
74	B 68 B	5/00			57/00			3/74	220-234	B 01 D	47/00			41/00
75,76	B 68 B	1/00			59/00			3/88	235-239	B 01 D	47/10			45/00
		5/06	69	B 01 D	19/00	112	B 03 C	3/76	240,241	B 01 D	19/00			46/00
77	B 68 B	39/00			39/00	113-116	B 03 C	3/10			47/00			47/00
78	B 68 B	1/00			41/00			3/12			49/00			49/00
		5/04			43/00			3/16			53/22			50/00
79-82	B 68 C	5/00			45/00			3/74			57/00			51/00
83	A 43 C	17/00			46/00	117-121	B 03 C	3/74	242,243	B 01 D	45/18			53/00
84	B 68 B	9/00			47/00	122	B 03 C	3/16			46/04			57/00
85	B 68 B	1/02			49/00			3/36			47/00			59/00
		5/00			50/00			9/00	244-256	B 01 D	19/00	361-382	B 01 D	46/02
87	B 68 B	5/00			51/00	123	B 03 C	3/00			47/02			46/06
					57/00			3/38	257.1-259	B 01 D	47/00			46/08
					59/00			9/00			50/00	383	B 01 D	19/00
								3/01	260	B 01 D	47/00			45/00
			70	B 01 D	19/00	124-126	B 03 C	3/14	261-266	B 01 D	50/00			46/42
					39/00	127	B 03 C	3/14			51/00			47/00
					41/00	128-133	B 03 C	3/00	267-269	B 01 D	51/00			50/00
					43/00			3/36			53/26			53/24
					45/00	134,135	B 03 C	3/01			53/28			59/10
					46/00	136-138	B 03 C	3/00	270	B 01 D	53/30			59/20
					47/00			9/00	271-276	B 01 D	19/00	384	B 01 D	53/02
					49/00	139	B 03 C	3/02			39/00			53/14
					50/00	140-149	B 03 C	3/04			41/00	385.1-385.8	B 01 D	50/00
					51/00			3/40			45/00			59/50
					53/00	150-153	B 03 C	3/40			46/00	386	B 01 D	53/00
					57/00	154-157	B 03 C	3/02			47/00			57/00
					59/00			3/45			49/00			59/00
					1/00	158	B 01 D	53/22			50/00	387-390	B 01 D	39/00
			71-73	B 01 D	19/00			59/10			51/00			46/30
					39/00			71/00			53/00			53/06
					41/00	159	B 01 D	19/00			57/00			53/14
					43/00			53/00			59/00			59/22
					45/00	160	B 01 D	19/00	277	B 01 D	51/08			59/28
					46/00			53/30	278	B 01 D	53/00			59/33
					47/00	161-163	B 01 D	47/00	279-288	B 01 D	19/00	391	B 01 D	39/00
					49/00			53/00			39/00			45/00
					50/00	164-170	B 01 D	19/00			41/00			46/00
					51/00			53/00			45/00			47/00
					53/00	171-177	B 01 D	19/00			46/00			49/00
U.S. Class 55														
GAS SEPARATION														
1	B 01 D													
2	B 03 C													
3	B 03 C	1/00												
4	B 03 C	1/00												
		3/36												
		3/72												
		9/00												
5	B 03 C													
6-9	B 01 D	53/00												
	B 03 C													
10	B 03 C	1/00												
		3/01												
		5/00												
		9/00												
11	B 03 C	1/00												
		3/00												
		9/00												
12,13	B 03 C	3/74												
14	B 03 C	3/10												
15	B 01 D	51/08												
16	B 01 D	59/10												

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U.S.			IPC			U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 55—Con.																							
		50/00			49/00	10.1	A 01 D	34/03	153-162	A 01 D	43/00							296,297	A 01 D	34/13			
		51/00			50/00			34/43	163-180	A 01 D	43/02							298	A 01 D	34/13			
		53/00			51/00	10.2	A 01 D	34/64	181-191	A 01 D	43/00									34/18			
		57/00			53/00	10.3,10.4	A 01 D	75/28	192	A 01 D	43/00									34/13			
		59/00			57/00	10.5	A 01 D	75/28			57/26									34/40			
		59/00			59/00	10.6,10.7	A 01 D	34/03			57/28									34/14			
		19/00	474	B 01 D	53/06			34/43	193	A 01 D	43/02									34/18			
		45/00			53/14			34/64	194-200	A 01 D	34/12									34/20			
		46/00			59/20	10.8,10.9	A 01 D	69/00			34/13									63/00			
		47/00			59/22	11.1,11.2	A 01 D	69/06			34/48									65/00			
		49/00	475	B 01 D	45/00	11.3	A 01 D	69/10			34/52	320.1,320.2	A 01 D	321	A 01 D	75/28				67/00			
		50/00			46/00	11.4	A 01 D	69/00			34/70	322	A 01 D	322	A 01 D	73/00				67/04			
		53/00			47/00	11.5-11.8	A 01 D	69/08			34/73	323	A 01 D	323	A 01 D	1/14				1/08			
		57/00			49/00	11.9	A 01 D	69/00	201	A 01 D	34/08	324	A 01 D	324	A 01 D	45/00				46/00			
		59/00			50/00	12.1	A 01 D	75/10			34/46	324.5	A 01 D	324.5	A 01 D	46/22				46/00			
		45/00			51/00	12.2	A 01 D	69/00			34/67	327.1,327.2	A 01 D	327.1	A 01 D	46/24				46/00			
		46/18			53/00	12.3	A 01 D	69/12	202	A 01 D	34/12	328.1	A 01 D	328.1	A 01 D	80/00				84/00			
		46/30			57/00	12.4,12.5	A 01 D	46/08			34/48	329	A 01 D	329	A 01 D	7/06				7/00			
		47/00			59/00	12.6	A 01 D	34/30			34/70	330,331	A 01 D	330	A 01 D	43/02				43/00			
		50/00	476	B 01 D	45/00			34/56	203-206	A 01 D	34/00	340.1	A 01 D	340.1	A 01 D	39/00				43/02			
		53/06	</																				

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 57—Con.												U.S. Class 59		
												CHAIN, STAPLE AND HORSESHOE MAKING		
75	D 01 H	7/52	230	D 02 G	3/36	280	D 02 G	13/14	310	D 02 G	13/26	1	B 21 L	
76,77	D 01 H	1/08			3/06		D 01 H	3/02			13/30	2	B 21 L	11/12
		7/74		D 07 B	3/08			5/00			3/02	3	B 21 L	5/02
78	D 01 H	13/14	231,232	D 02 G	3/36			7/46			3/36	4	B 21 L	9/02
79	D 01 H	13/24	233	D 02 G	1/06			13/04			1/06	5,6	B 21 L	9/00
80-82	D 01 H	13/16			3/06	281	D 02 G	3/02			5/28	7	B 21 L	9/06
83-88	D 01 H	13/18			3/08		D 01 H	9/10	311	D 01 H	13/26	8	B 21 L	9/00
89	D 01 H	13/14	234	D 02 G	3/36			13/26			1/06	9	B 21 L	13/00
90,91	D 01 H	13/02	235	D 02 G	3/06			13/26	312	D 01 H	13/26	10-12	B 21 L	5/00
92-105	D 01 H	13/00			3/08	282	D 01 H	13/30			13/30	13-15	B 21 L	11/02
112	D 01 H	9/00			3/36			3/02			3/02	16-26	B 21 L	7/00
		13/00	236	D 01 H		283	D 02 G	7/46	313	D 02 G	5/28	27	B 21 L	1/02
113	D 01 H	7/44		D 02 G	3/02		D 01 H	7/92			7/92			9/04
		13/00	237-242	D 02 G	3/36			13/26			7/92			11/02
114	D 01 H	13/08			3/02			3/02			13/26	28	B 21 L	1/04
115,116	D 01 H	7/24			3/02	284	D 02 G	5/00			13/26	29	B 21 L	15/00
117	D 01 H	7/24	243	D 02 G	3/02		D 01 H	7/46	314	D 01 H	13/26	30	B 21 L	3/04
		7/32	244	D 02 G	3/02			7/92			3/26	31-34	B 21 L	3/02
118	D 01 H	7/30			3/36			13/26			1/06			9/08
119	D 01 H	7/52	245	D 02 G	3/02			3/02	315	D 01 H	5/28	35.1	B 21 L	3/00
120	D 01 H	7/62	246	D 02 G	3/02	285	D 01 H	13/26			13/04			5/00
121	D 01 H	7/52			3/36		D 02 G	13/26			13/26	36-58	B 21 K	15/02
122-124	D 01 H	7/64	247	D 01 H	13/26			3/02			3/02	59-61	B 21 K	15/02
125,126	D 01 H	7/60		D 02 G	3/02	286	D 01 H	13/20			5/28	62	B 21 K	15/02
127	D 01 H	7/68			3/36			13/26	316	D 01 H	5/28	63,64	B 21 H	7/12
127.5,127.7	D 01 H	13/00	248	D 02 G	3/02			3/02	317	D 01 H	5/28	65	B 21 K	15/02
129	D 01 H	7/04	249,250	D 02 G	3/02	287	D 02 G	13/26			3/02	66-69	B 21 K	15/04
		13/00			3/36			3/36	318	D 01 H	5/28	70	B 21 K	15/00
130	D 01 H	7/04	251	D 01 H	13/30			3/02	319	D 01 H	3/00	71-75	B 21 G	7/02
131	D 01 H	7/18		D 02 G	3/02	288	D 01 H	7/92			3/04			7/02
132	D 01 H	7/14			3/06			13/26			3/04	76	B 21 G	7/02
133,134	D 01 H	7/20	252-254	D 02 G	3/02			3/02			3/00			7/02
135	D 01 H	7/08			3/08			3/02	320	D 01 H	3/00	77	B 21 G	7/02
136	D 01 H	7/40	255	D 02 G	3/02			3/02			3/16	78-83	F 16 G	13/00
137	D 01 H	7/64			3/36	289	D 01 H	13/26			3/12	84-92	F 16 G	13/06
138	D 01 H	13/04			3/02			7/92			3/14			13/08
200	D 02 G	3/02	256	D 02 G	3/02	290	D 01 H	13/26	321	D 01 H	3/00	93	F 16 G	15/00
		3/36	257,258	D 02 G	3/02			13/26			15/00	95	F 16 G	13/10
201,202	D 02 G	3/36	259,260	D 02 G	3/02	291		3/02	322,323	D 01 H	3/16			
203	D 02 G	3/42			3/06			3/02	324,325	D 01 H	3/12			
		13/26			3/08	292		3/02	326	D 01 H	3/14			
204	D 01 H	13/26	261	D 01 H	11/00			3/02	327	D 01 G	7/46			
	D 02 G	3/02			13/04	293	D 01 H	5/00			7/92			
		3/06		D 02 G	13/26			7/92			13/26			
205,206	D 02 G	3/02	262	D 01 H	9/10			13/26	328	D 02 G	5/00			
207	D 02 G	3/02			13/26			3/02			5/28			
		3/06	263	D 01 H	13/26			3/36			7/46			
		3/08			7/46	294	D 01 H	13/26			7/92	39.01,39.02	F 02 C	3/00
208	D 01 H	13/26	264	D 01 H	7/92			13/30			13/26	39.03	F 02 G	9/00
	D 02 G	3/36			7/92			13/30	329,330	D 01 H	5/00		F 02 C	3/00
		3/02			9/10	295,296	D 02 G	13/26			5/00	39.04	F 02 C	6/00
209,210	D 02 G	3/36			13/26		D 01 H	13/30	331	D 01 H	7/46		F 02 G	3/00
		3/06		D 02 G	3/02			3/02			7/92	39.05	F 02 G	3/00
211	D 02 G	3/08	265	D 01 H	7/46			3/02			13/26	39.06	F 02 C	7/26
		3/36			7/92			3/36	332-349	D 01 H	1/24		F 02 G	3/00
	D 07 B	1/06			9/00	297	D 01 H	13/30			7/46	39.07	F 02 C	6/18
212,213	D 02 G	3/36			9/10			3/02			7/92		F 02 G	3/00
214	D 02 G	3/36			11/00		D 02 G	3/02			1/02	39.08	F 02 C	7/06
	D 07 B	1/06			13/26	298	D 01 H	13/30			1/04		F 02 G	3/00
215	D 02 G	9/00	266	D 01 H	9/00		D 02 G	3/36			1/06	39.091-39.094	F 02 G	3/00
216	D 02 G	3/36			9/14	299	D 02 G				1/08	39.1	F 16 P	7/00
217	D 02 G	3/36		D 02 G	9/00	300-302	D 01 H	11/00			1/16	39.11	F 02 G	3/00
	D 07 B	1/06	267	D 01 H	9/00	303	D 01 H	11/00			3/00		F 16 P	1/02
218,219	D 07 B	1/06			9/10			11/00	350,351	D 01 H	13/26			3/02
220,221	D 02 G	3/36	268	D 01 H	9/00			13/26			3/02	39.12	F 02 B	43/00
	D 07 B	1/06			9/10			11/00	352-361	D 02 G	57/00		F 02 G	3/00
222	D 02 G	3/06	269	D 01 H	9/10	304	D 01 H	11/00			57/08	39.13	F 02 C	9/00
		3/08			9/10			13/26			57/16		F 02 G	3/00
	D 07 B	1/06		D 02 G	9/10	305	D 01 H	5/28			1/00	39.141,39.142	F 02 C	7/26
	D 02 G	3/36	270-272	D 01 H	9/10			11/00			1/42		F 02 G	3/00
223	D 02 G	3/36	273	D 01 H	9/00	306	D 01 H	9/00			7/18	39.15	F 02 C	6/00
	D 07 B	1/06			9/14			9/14			13/04		F 02 G	1/00
224	D 02 G	3/02			9/00			11/00			13/08			3/00
		3/08	274,275	D 01 H	9/00			13/26			13/12	39.161-39.163	F 02 C	1/06
		3/36	276	D 01 H	5/28	307	D 01 H	11/00			1/02			3/10
225-228	D 02 G	3/02			9/14	308	D 01 H	5/28			1/08		F 02 G	6/00
		3/36	277,278	D 01 H	9/00			13/26	362	D 02 G	3/02			1/00
229	D 02 G	3/02			9/14			13/30	400-417	D 01 H	4/00	39.17	F 02 C	3/00
		3/06	279	D 01 H	5/28			3/02						6/00
		3/08			9/00	309	D 02 G	5/28				39.181-39.183	F 02 C	6/00

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 60—Con.			39.828	F 02 C	7/262	261	F 02 K	3/10	562	B 60 T	11/20	659	F 01 K	1/00
					7/266	262	F 02 K	1/38	563	B 60 T	13/58			3/00
	F 02 G	1/00		F 02 G	1/00			1/46	564	B 60 T	11/34	660	F 01 K	13/02
39.19	F 02 C	1/00	39.83	F 02 C	7/12	263	F 02 K	3/02	565,566	B 60 T	17/00	661	F 01 K	9/00
	F 02 G	1/00	200.1	F 02 G	1/00			3/10	567,568	B 60 T	7/00	662	F 01 K	7/06
		3/00			3/00			3/12	569	B 60 T	17/16	663	F 01 K	7/22
39.2-39.3	F 02 C	9/00		F 02 K		264	F 02 K	3/04	570,571	F 15 B	7/00	664	F 01 K	11/00
	F 02 G	3/00		F 02 K		265	F 02 K		572,573	F 15 B	7/10	665	F 22 D	
39.31,39.32	F 02 C	3/00	201	F 02 K		266,267	F 02 K	11/00	574-578	B 60 T	11/08	666	F 01 K	7/42
	F 02 G	3/00	202	F 03 H		268,269	F 02 K	3/00		F 15 B	7/04	667	F 22 D	
39.33	F 02 G	1/00	203.1	H 05 H	1/00	270.1	F 02 K	7/08	579	F 15 B	3/00	668	F 01 K	15/00
		3/00		G 21 D				7/10			7/08	669	F 01 K	11/00
39.34	F 02 C	3/14	204	H 05 B		271	F 02 K	1/00	580	B 60 T	11/24	670	F 01 K	
		5/02		B 63 H	11/00	272,273	F 01 N			F 15 B	7/00	671	F 01 K	25/00
39.35	F 02 C	3/14		B 64 G	9/00	274-276	F 01 N	3/00	581	F 15 B	7/00	672	F 01 K	25/10
39.36	F 02 C	3/06		F 02 K		277	F 01 N	3/00	582	B 60 T	11/32	673	F 01 K	25/06
		3/08		F 03 H				7/00			17/18	674	F 01 K	21/04
39.37	F 02 C	3/00	205-208	F 23 R	5/00	278,279	F 02 M	25/06	583	F 15 B	7/00	675	F 01 K	7/00
39.38	F 02 C	5/02		C 06 D		280	F 01 N	5/04	584	B 60 T	11/30	676	F 01 K	13/00
39.39	F 02 C	5/12		F 02 K		281	F 01 N	5/00		F 15 B	7/10	677	F 01 K	13/00
39.4	F 02 C	5/02	209,210	F 23 R	5/00	282-298	F 01 N	3/00	585-588	B 60 T	11/26			17/00
39.41	F 02 C	7/00		C 06 D		299-308	F 01 N	3/10		F 15 B	7/08	678	F 01 K	7/34
39.42	F 02 C	3/00	211	F 02 K	5/00	309	F 01 N	3/02	589	B 60 T	11/28	679,680	F 01 K	7/22
		5/00		C 06 D		310	F 01 N	3/04		F 15 B	7/08	681	F 01 K	19/00
39.43	F 02 C	3/04		F 02 K				7/12	590	F 15 B	65/74	682-684	F 01 K	25/02
39.44	F 02 C	3/00	212-216	F 23 R	5/00	311	F 01 N	3/02	591	F 15 B	7/00		F 02 C	1/04
		5/00		C 06 D		312-314	F 02 B	27/02	592	F 15 B	7/10	685	F 01 B	31/16
39.45	F 02 C	3/02	217	F 02 K	5/00	315,316	F 02 B	35/00	593	F 15 B	15/18		F 01 K	9/00
	F 02 G	1/00		C 06 D		317,318	F 01 N	3/02	594	B 60 T	7/02			17/00
39.461-39.463	F 02 G	3/00		F 23 R	5/04	319	F 01 N	5/04		F 15 B	7/08		F 28 B	
		3/00		F 02 K		320	F 01 N	3/02	595	F 02 B	71/04	686	F 01 K	17/00
39.464	F 02 C	3/26	218	C 06 D	5/00	321	F 01 N	5/02	596	F 02 B	71/02		F 22 D	5/00
	F 02 G	1/00		F 02 K				3/02	597	F 02 G		687	F 28 B	11/00
39.465	F 02 C	3/22	219,220	F 23 R	5/00	322	F 01 N	7/00	598	F 02 B	33/44		C 09 B	
	F 02 G	3/00		C 06 D		323	F 01 N	7/10	599	F 02 B	29/04	688	F 01 B	31/06
39.47	F 02 C	3/26		F 02 K		324	F 01 N	7/00	600-603	F 02 D	23/00		F 28 B	
	F 02 G	1/00		B 63 H	11/00	325-329	F 16 D	31/00	604	F 01 K	23/14	689	F 01 K	19/10
39.48	F 02 C	3/30	221	B 63 H	25/46			33/00		F 02 G	33/44	690	F 01 K	3/00
	F 02 G	1/00	222	F 02 K				37/00	605.1-612	F 02 B	33/44		F 02 B	1/00
39.49,39.5	F 02 C	7/08	223	F 02 K		330,331	F 16 D	33/00	613-617	F 02 G	3/00	691	F 01 K	7/34
	F 02 G	3/00	224	F 02 K		332	F 16 D	33/02		F 01 K	23/10		F 22 D	1/00
39.511	F 02 C	7/10				333-346	F 16 D	33/00	618	F 02 G	3/00	692	F 01 K	9/02
	F 02 G	1/00				347-350	F 16 D	33/02	619-624	F 02 N	9/00		F 22 D	5/18
39.512	F 02 G	1/055	225	F 02 K		351	F 16 D	33/14	625-631	F 01 B	29/08		F 22 D	11/02
		1/057				352-356	F 16 D	33/02	632-638	F 02 N	13/00			
39.52	F 02 C	7/08				357-360	F 16 D	33/06	639	F 03 B	7/00	693	F 28 B	7/00
	F 02 G	3/00				361-367	F 16 D	33/00		F 03 G	3/04	694	F 01 B	31/16
39.53-39.59	F 02 C	7/00				368	F 16 D	31/00	640	F 03 B	17/06		F 01 B	31/30
	F 02 G	1/00						35/00	641.1	F 01 K	27/00	695	F 01 B	31/00
39.6	F 02 C	3/00						37/00	641.11-641.15	F 03 G	6/00	696	F 01 B	31/00
39.63	F 02 C	3/00	226.1-226.3	F 02 K	3/02			39/00		F 03 G	7/00	697	F 01 D	25/30
	F 02 G	1/057	227	B 63 H	11/12	369-486	F 16 D	31/02	641.2-641.4	F 01 K	27/00	698	F 01 B	21/04
39.64	F 02 C	3/00		F 02 K		487-493	F 16 D	31/02	641.5	F 03 G	7/00		F 01 K	23/00
	F 02 G	1/00		F 02 K		494	F 03 C		641.6,641.7	F 03 G	7/04	699	F 02 B	73/00
39.75	F 02 C	3/00	228	F 02 K	1/00	495-507	F 01 B				7/06	700-702	F 01 B	21/04
	F 02 G	3/00				508	F 01 K		641.8	B 60 K	16/00		F 01 D	25/02
39.76	F 02 C	3/00	229,230	F 02 K	1/00		F 02 B			B 60 L	8/00	703-706	F 01 B	21/04
	F 02 G	1/00	231	F 02 K	1/28		F 01 K			F 03 G	6/00		F 02 D	25/00
39.77-39.8	F 02 C	3/00		F 02 K	1/00	509	F 01 K	3/00		F 03 G	6/00	707	F 01 B	21/04
	F 02 G	5/00		F 02 K	3/00		F 02 B	5/00	641.9	F 01 K	1/04		F 02 B	73/00
39.81	F 02 C	3/00	232	F 02 K	3/00	510	F 02 B	3/00	642	F 01 K	5/00	708	F 02 D	25/00
	F 02 G	1/00	233	F 02 K	3/00		F 02 G	1/00	643	G 21 D	13/00	709	F 01 B	21/04
39.821-39.826	F 02 C	7/264	234	F 02 K	9/00	511	F 01 K	21/04	644	F 01 K	13/02		F 02 B	73/00
	F 02 G	1/055	235-239	F 02 K	1/18	512,513	F 01 B	29/00	645	F 01 K	21/06		F 02 D	25/04
39.827	F 02 C	7/266		F 02 K	3/00	514	F 01 P		646	F 01 K	7/32	710	F 02 D	25/00
	F 02 G	3/00				515	F 01 B	29/08		F 01 K	17/00	711	F 01 B	21/04
		9/72				516	F 01 B	25/00	647	F 01 K	25/06		F 02 B	73/00
		9/42				517-529	F 01 B	29/10	648	F 01 K	25/02		F 02 D	25/00
		9/72					F 02 G	1/04	649	F 01 K	1/04	712	F 01 B	29/04
						530,531	F 03 C	5/00	650	F 01 K	25/08	713	F 01 K	21/04
						532	F 15 B	21/12		F 02 C	3/00		F 01 K	23/00
						533	F 15 B	7/00	651	F 01 K	13/02		F 02 B	73/00
						534	B 60 T	17/22	652	F 01 K	13/02		F 02 D	25/00
						535	F 15 B	7/00	653	F 01 K	7/34	714	F 02 D	25/00
						536-544	F 15 B	7/02	654	F 01 K	9/00	715	F 01 B	21/04
						545,546	F 15 B	7/00			19/10		F 02 B	73/00
						547.1-547.3	B 60 T	13/00		F 01 K	23/04	716-720	F 01 B	21/04
						548	B 60 T	13/12		F 01 K	13/02		F 01 K	23/00
						549-559	B 60 T	13/20		F 01 B	31/00		F 02 B	73/00
						560	F 15 B	7/00		F 01 D		721	F 01 K	
						561	B 60 T	11/06		F 01 K	19/00		F 02 B	
								11/24	658	F 01 K	7/24		F 03 H	

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 60—Con.			54.1	F 17 C	5/00	191	F 25 B	1/06	347,348	F 25 C	1/00	U.S. Class 63		
722-724	F 02 C	1/00	54.2	F 17 C	7/00	192,193	F 25 B	31/00	349	F 25 C	5/08	JEWELRY		
725	F 02 C	3/00	54.3	F 17 C	9/02	194	F 25 B	43/00	350	F 25 C	1/24	1.1	A 44 C	13/00
726-734	F 02 C	7/24	55.5	B 01 D	8/00	195	F 25 B	43/04	351	F 25 C	5/08	2	A 44 C	25/00
	F 02 C	1/00	56	F 25 D		196.1-198	F 25 B	41/00	352	F 25 C	5/10	3	A 44 C	5/00
	F 02 G	3/00	57	F 25 D	17/00			49/00	353	F 25 C	1/00	4	A 44 C	5/02
735	F 02 C	3/16	59	F 25 D	3/00	199,200	F 25 B	5/00	354	F 25 C	1/14	5.1-6	A 44 C	5/04
736	F 02 C	7/08	60	B 65 B	63/08	201	F 25 D	17/02	356	F 25 C	1/04	7-11	A 44 C	5/00
737	F 02 C	1/00	61	B 60 H	1/32	202	G 05 D	23/30	371,372	F 25 D	3/08	12-14.8	A 44 C	7/00
	F 02 G	3/00	62	F 25 D	25/00	203	F 25 B	41/00	373-376	F 25 D	17/02	15-15.4	A 44 C	9/00
738	F 02 C	7/08	63	F 25 D	13/06	204,205	F 25 B	41/04	377,378	F 25 D	25/00	15.45-15.65	A 44 C	9/02
739-760	F 02 C	1/00	64	F 25 D	17/02	206-214	F 25 B	41/00	379	F 25 D	3/02	15.7,15.8	A 44 C	9/00
	F 02 G	3/00	65	F 25 D	13/04	215	F 25 B	1/00	380	F 25 D	25/04			19/00
900	F 02 D		66	F 25 C	1/00	216-225	F 25 B	41/04	381,382	F 25 D	25/02			9/02
901	F 01 C		67-70	F 25 C	1/18	226-230	F 25 B	1/00	383-385	F 25 D	3/12	18,19	A 44 C	15/00
	F 02 B	55/00	71	F 25 C	5/02			49/00	386	B 67 D	5/62	20	A 44 C	1/00
902	F 01 N	1/18	72	F 25 C	5/06	231	F 25 B	19/00	387,388	F 25 D	3/12	21,22	A 44 C	11/00
		3/00	73	F 25 C	5/08	232	F 25 B	17/00	389-400	B 67 D	5/62			15/00
903	E 05 F	15/00	74,75	F 25 C	1/00	233	F 25 C	1/00	401-403	F 25 D	9/00			25/00
904	B 64 C	9/00	76	F 25 C	1/24	234	F 25 D	21/00	404	F 25 D	17/04	23	A 44 C	25/00
		13/00	77	F 25 B	45/00	235	A 63 C	19/10	405	F 25 D	17/08	24,25	A 44 C	19/00
905	B 65 H		78	F 24 F	3/16	235.1,236	F 25 B	27/00	406-410	F 25 D	17/04	26-31	A 44 C	17/02
906	F 01 B	25/06	79	F 25 B	7/00	237	F 25 D	15/00	411,412	F 25 D	17/06	32	A 44 C	17/00
	F 01 C	21/12	80	F 25 D	21/00	238.1-238.7	F 25 B	27/00	413	F 25 D	17/04			
	F 01 D	17/06	81	F 25 B	41/00	239	B 60 H	1/32	414	F 25 D	17/06			
		21/02	82	F 25 D	21/12	240	B 63 B	25/26	415-418	F 25 D	17/04			
	F 02 B		83	F 25 B	43/00	241-244	B 60 H	1/32	419	F 25 D	17/06			
	F 02 C	9/00	84	F 25 B	43/02	245	B 60 P	3/20	420-425	F 25 D	3/02			
	F 02 D		85	F 25 B	47/00	246-257	A 47 F	3/04	426-429	F 25 D	17/06			
	F 02 G		86-88	F 25 B	9/00	258-263	F 25 D	23/12	430	F 25 D	11/00			
	F 02 K	15/06	89-97	F 25 D	17/06	264	F 25 D	23/00	431,432	F 25 D	11/02			
	F 03 B		98,99	F 25 D	17/02	265,266	F 25 D	23/02	433	F 25 D	11/04			
907	F 15 B		100	F 25 B	19/00	267	F 25 D	29/00	434-436	F 25 D	17/02			
908	A 47 L	15/00	101-105	F 25 B	15/00	268-270	F 25 B	19/00	437	F 25 D	11/00			
	B 05 C		106	F 25 B	17/00	271	F 25 D	23/00	438,439	F 25 D	11/04			
	D 06 F		107,108	F 25 B	15/00	272	F 25 D	21/00	440	F 25 D	11/00			
909	F 02 K		109	F 25 B	15/16	273,274	F 25 D	23/06	441	F 25 D	11/02			
917	F 02 K	7/08	110,111	F 25 B	15/10	275,276	F 25 D	21/06	442	F 25 D	13/02			
		7/10	112	F 25 B	15/00	277-280	F 25 B	47/00	443-447	F 25 D	11/02			
			113	F 25 B	41/00	281	F 25 D	21/14	448	F 25 D	19/02			
			114	F 25 B		282	F 25 D	21/10	449,450	F 25 D	19/00			
			115,116	F 25 B	1/00	283	F 25 B	5/00	451	F 25 D	23/06			
			117	F 25 B	5/00	284	F 25 D	21/06	452-456	F 25 D	19/00			
			118	F 25 D	17/02	285-291	F 25 D	21/14	457.1-457.8	F 25 D	3/08			
			119	F 25 D	15/00	292	F 25 B	45/00	457.9	F 17 C	13/00			
			120	F 25 D	13/04	293	F 25 D	3/00	458	F 25 B	13/00			
			121	F 28 C	1/00	294	F 25 D	3/10	459-464	F 25 D	3/02			
			122	F 25 B	41/00	295-299	F 25 D	19/00	465,466	F 25 D	25/00			
			123,124	B 01 D	9/04	300,301	F 25 C	1/24	467	F 25 B	43/02			
				C 02 F	1/22	302	F 25 D	23/00	468-473	F 25 B	43/00			
				F 25 B	49/00	303	F 28 G		474	F 25 B	43/04			
				F 25 D	21/02	304,305	F 28 D	5/00	475	F 25 B	43/04			
				G 01 K	13/00	306	B 01 F	3/04	476	F 25 B	15/00			
				F 25 B	49/00	307,308	F 25 C	1/18	477	F 25 B	17/00			
				B 60 H	1/32	309	F 25 D	17/04	478	F 25 B	17/02			
				F 25 C	1/00	310,311	F 28 D	5/00	479	F 25 B	17/06			
				A 23 G	9/00	312,313	F 25 D	3/02	480	F 25 B	17/08			
				F 25 C	1/00	314	F 28 D	5/00	481,482	F 25 B	15/00			
				F 25 D	21/02	315	F 28 C	1/00	483	F 25 B	15/00			
				F 25 B	15/00	316	F 28 D	5/00	484	F 25 B	15/12			
				F 25 B	17/00	317	F 25 D	17/04	485-489	F 25 B	15/00			
				F 25 B	15/00	318	F 25 D	3/02	490-493	F 25 B	15/10			
				F 25 B	45/00	319	F 25 D	17/02	494	F 25 B	37/00			
				F 25 D	21/00	320	F 25 C	5/02	495-497	F 25 B	33/00			
				F 25 D	21/06	321	F 25 C	5/00	498	F 25 B	1/00			
				G 05 D	23/32	322	F 25 B	25/00	499	F 25 B	3/00			
				F 25 B	29/00	323.1-323.4	F 25 B	27/00	500	F 25 B	1/06			
				F 25 B	13/00	324.1-324.6	F 25 B	13/00	501,502	F 25 B	1/00			
				F 25 D	29/00	325	F 25 B	29/00	503	F 25 B	43/00			
				F 25 D	3/12	326	F 25 B	27/00	504	F 25 B	39/02			
				F 25 B	19/00	327,328	B 60 H	1/32	505	F 25 B	31/00			
				F 25 B	19/02	329	F 25 D	23/00	506-509	F 25 B	39/04			
				F 28 D	3/00	330	F 25 D	13/00	510	F 25 B	1/10			
				F 28 B	9/00	331	F 25 D	15/00	511	F 25 B	41/06			
				F 25 B	29/00	332	F 25 B	23/12	512	F 25 B	43/00			
				F 25 B	41/00	333	F 25 D	17/00	513	F 25 B	41/00			
				F 25 B	7/00	334	F 25 D	11/02	515-526	F 25 B	39/02			
				F 25 D	17/04	335	F 25 B	7/00	527,528	F 25 B	41/06			
				F 25 D	17/00	336	F 25 D	25/00	529	F 25 D	3/10			
				F 25 B	39/04	337-339	F 25 D	23/12	530	F 25 D	3/08			
				F 25 D	17/02	340	F 25 C	5/14	531	F 25 D	9/00			
				F 25 D	17/02	341	A 23 G	9/00	532-545	B 01 D	9/04			
				F 25 D	17/00	342,343	F 25 C	5/18		C 02 F	1/22			
				F 25 D	17/00	344	F 25 C	9/00						
				F 25 B		345,346	A 23 G							

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 65—Con.														
			67	C 03 B	19/00	134-137	C 03 B	5/16			18/00	357-361	C 03 B	9/00
			68,69	C 03 B	9/10			5/18			19/00			11/00
28	C 03 C	23/00			9/14			5/20	243	C 03 B	9/00	362	C 03 B	11/00
	C 03 B	29/00			9/16			5/225			11/00	374.1-374.15	C 03 B	
		15/00	70	C 03 B	9/20			5/23			13/00	375	C 03 B	9/00
	C 03 C	19/00	71	C 03 B	9/46	138-140	C 03 B	5/24			15/00		C 03 C	
		27/00			7/00	141	C 03 B	23/07			17/00			
29	C 03 B				9/18	142,143	C 03 B	5/23			18/00			
	C 03 C				9/22			13/14			19/00			
30.1-30.14	C 03 C	15/00			11/02			19/10			21/00			
31	C 03 C	17/00	72-76	C 03 B	19/00			27/00			23/00			
		21/00			7/00			29/00			25/00			
		23/00			9/14	144	C 03 B	27/00			27/00			
		25/00			9/16	145	C 03 B	19/06			29/00			
32.1-32.5	C 03 B	37/00			9/20	146-151	C 03 B	7/14			31/00			
33	C 03 C	10/00			9/24			13/12			33/00			
34	C 03 B	5/16			9/28			27/00	244	C 03 B	23/00			
		29/00	77-81	C 03 B	11/04			29/00			29/00			
		35/00			9/14	152	C 03 B	9/42			13/00			
35	C 03 B	23/20			9/16			23/20	245	C 03 B	11/00			
36	C 03 B	33/08			9/193			33/08	246-251	C 03 B	29/00			
		27/00			9/20			27/00	252	C 03 B	13/00			
	C 03 C	29/00			9/30			29/00	253,254	C 03 B	13/06			
		29/00	82	C 03 B	23/04	153	C 03 B	23/13	255	C 03 B	13/08			
37-39	C 03 B	11/08			23/18	154	C 03 C	27/02	256,257	C 03 B	13/00			
		23/22	83	C 03 B	9/00			29/00	258,259	C 03 B	19/02			
40	C 03 B	23/20			11/00	155	C 03 B	23/207	260	C 03 B	9/04	10		
		25/00			13/00			27/02			9/44	11-13	D 04 B	9/12
		27/00			15/00			29/00	261-267	C 03 B	9/14			9/14
		29/00			17/00	156	C 03 B	23/20			9/16			9/16
	C 03 C	27/00			18/00	157	C 03 B				9/193	14	D 04 B	9/10
		29/00			19/00						9/20	15-18	D 04 B	9/00
41	C 03 B	25/00	84,85	C 03 B	9/00	158	C 03 C				9/28	19,20	D 04 B	9/06
		27/00			11/00						9/30	21-23	D 04 B	9/24
42	C 03 B	23/20			13/00				268	C 03 B	23/00			9/54
	C 03 C	27/00	86-88	C 03 B	15/14				269-274	C 03 B	23/00	24	D 04 B	9/22
		29/00			15/18	159	C 03 C				29/00	25	D 04 B	9/06
43	C 03 C	27/00			21/00				275-283	C 03 B	23/04			9/38
		29/00	89	C 03 B	17/00				284	C 03 B	29/00	26	D 04 B	9/06
44	C 03 B	23/00	90-96	C 03 B	13/00	160-164	C 03 B		285,286	C 03 B	23/00			9/38
		31/00			15/00				287-291	C 03 B	23/02			15/12
	C 03 C	27/00			17/00			1/00	292-299	C 03 B	23/04	27,28	D 04 B	9/06
		29/00			19/00	165	B 07 B				23/00	29	D 04 B	9/22
45	C 03 B	9/00			25/00				300,301	C 03 B	9/00	30	D 04 B	9/20
		11/00			27/00	166	C 03 C		302	C 03 B	19/04	31	D 04 B	9/00
		13/00	97	C 03 B	13/00				303,304	C 03 B	7/14	32,33	D 04 B	9/20
		15/00			15/02				305-311	C 03 B	11/00	34-36	D 04 B	9/00
		17/00			17/00	167	C 03 B		312	C 03 B	11/02	37	D 04 B	9/20
		18/00			21/02				313-318	C 03 B	11/00	38	D 04 B	9/00
		19/00			21/04				319	C 03 B	11/12	39	D 04 B	9/20
		23/08	98	C 03 B	13/10	168	B 08 B		320-322	C 03 B	11/00	40	D 04 B	9/00
		23/20			15/10				323	C 03 B	9/40	41	D 04 B	9/24
46-53	C 03 B	9/00	99.1-99.6	C 03 B	13/00						11/16			9/54
		11/00			18/02	169	C 03 B	40/00	324	C 03 B	5/26	42	D 04 B	9/00
		13/00	100,101	C 03 B	13/00	170	C 03 B				7/00	43	D 04 B	9/20
		15/00	102-110	C 03 B	21/00						17/00			9/36
		17/00			23/00			1/00	325-331	C 03 B	5/26	44	D 04 B	9/38
		18/00			25/00			17/00			7/00	45	D 04 B	9/58
		19/00			27/00	171-173	C 03 B		332	C 03 B	7/10	46-48	D 04 B	9/20
54,55	C 03 B	23/00			29/00				333	C 03 B	5/26	49	D 04 B	9/18
56	C 03 B	33/00			31/00	174-177	C 03 B				17/00	51-53	D 04 B	9/20
57	C 03 B	29/00			33/00			9/46	334	C 03 B	7/10	54,55	D 04 B	9/00
58	C 03 B	23/24	111	C 03 B	31/00			21/02	335	C 03 B	3/00			9/46
59.1-59.7	C 03 C	27/02			32/00			33/00	336	C 03 B	5/00	56	D 04 B	9/00
60.1-60.8	C 03 C	17/00			33/00	178-180	C 03 B	5/18	337,338	C 03 B	5/16	57	D 04 B	9/00
		25/02			15/00	181	C 03 B		339-345	C 03 B	5/20			15/32
		19/00			17/00				346	C 03 B	5/16	58,59	D 04 B	9/40
61	C 03 C				19/00	182.1-182.5	C 03 B	18/00	347	C 03 B	5/00	60	D 04 B	7/00
62	C 03 B				21/00	183	C 03 B	17/00	348-351	C 03 B	27/00	61	D 04 B	7/12
	C 03 C				23/00	184-186	C 03 B	9/12	352-354	C 03 B	7/14			7/14
63	C 03 B	21/00			21/00			13/00			15/00			7/18
		23/00	112,113	C 03 B	23/26			17/00	355,356	C 03 B	9/38	62	D 04 B	7/00
		25/00			33/00			18/00			11/12	63	D 04 B	7/06
		27/00			27/00	187-192	C 03 B	15/14			13/00	64	D 04 B	7/04
		29/00	114-116	C 03 B	25/00			15/18			15/00	65	D 04 B	7/34
		31/00	117-120	C 03 B	5/26			17/04			17/00	66	D 04 B	7/04
		33/00	121	C 03 B	5/28	193-206	C 03 B	15/02			18/00	67	D 04 B	7/10
64	C 03 B	23/00			7/00	207-226	C 03 B	7/00			19/00	68	D 04 B	7/00
		31/00			7/14			9/16			21/00	69	D 04 B	7/00
		33/00	122	C 03 B	7/10			9/20			23/00			7/20
65	C 03 B	29/00	123	C 03 B	7/18			11/00			25/00	70	D 04 B	7/10
66	C 03 B	9/00	124	C 03 B	7/00	227-242	C 03 B	9/00			27/00	71,72	D 04 B	7/00
		11/00	125	C 03 B	5/26			11/00			29/00	73	D 04 B	7/10
		13/00	126-132	C 03 B	5/28			13/00			31/00	74	D 04 B	7/00
		15/00			7/00			15/00			33/00	75.1,75.2	D 04 B	7/00
		17/00			7/10			17/00			35/00			15/66
		18/00	133	C 03 B										

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 66—Con.																	
76	D 04 B	7/10	168	D 04 B	35/20			9/38			23/00	16,17	E 05 B	75/00			
77	D 04 B	7/00	169	D 04 B	1/00			9/48			25/00	18,19	E 05 B	73/00			
78	D 04 B	7/00			21/00			9/50			3/00	20	E 05 B	67/00			
		15/36	170	D 04 B				15/74			17/02	21-30	E 05 B	37/06			
79,80	D 04 B	13/00	171	A 41 B				15/76			17/00			37/10			
81	D 04 B	25/02		A 41 C				15/78			1/00			37/14			
		25/04		A 41 D				15/82			35/00			37/18			
82	D 04 B	11/00		D 04 B				9/10			37/00			37/22			
		21/00	172	D 04 B	9/46			9/26			37/00	31	E 05 B	67/00			
83	D 04 B	11/00	173	D 04 B	9/54			9/28			3/00	32-34	E 05 B	67/36			
84	D 04 B	23/06	174	D 04 B	7/34			9/34			5/02	35	E 05 B	67/00			
		23/08			9/58			9/48			3/00	36,37	E 05 B	67/32			
		23/10	175	A 41 B	9/08			9/50			7/00	38,39	E 05 B	67/22			
		23/12	176	A 41 B	9/06			15/66			75/00	40	E 05 B	67/28			
85	D 04 B	23/06	177	A 41 B	9/02			15/68			3/02	41	E 05 B	67/08			
		23/08			9/10			15/74			1/02	42	E 05 B	67/18			
		23/10	178	A 41 B				15/78			1/04	43	E 05 B	67/10			
		23/12		D 04 B	11/00			15/82			29/00	44	E 05 B	67/14			
		31/00	179,180	D 04 B				9/10			39/00	45	E 05 B	67/18			
87	D 04 B	23/02		A 41 B				9/26			51/00	46	E 05 B	67/10			
88	D 04 B	11/04	181,182	D 04 B	9/46			9/28			47/00	47	E 05 B	67/14			
89	D 04 B	11/06	183-188	D 04 B	9/46			9/34			51/02	48	E 05 B	67/28			
90,91	D 04 B	35/00		A 41 B	11/02			9/38			45/00	49	E 05 B	67/06			
92	D 04 B	9/06	189	D 04 B	9/46			9/48			45/16	50	E 05 B	67/38			
		9/12		A 41 C				9/50			45/26	51	E 05 B	67/00			
93	D 04 B	35/00		A 41 D				15/66			45/24	52	E 05 B	67/02			
94	D 04 B	15/00		D 04 B				15/68			45/14	53	E 05 B	67/06			
		35/00	190,191	D 04 B				15/74				54-56	E 05 B	67/38			
95	D 04 B	15/02						9/10				57,57.1	E 05 B	65/00			
96	D 04 B	15/04						9/26				58	E 05 B	69/00			
97	D 04 B	13/00	192,193	D 04 B				9/28						73/00			
98-103	D 04 B	15/28						9/34				59	E 05 B	69/00			
104-110	D 04 B	15/06	194	D 04 B				9/38						73/02			
		15/24						9/48				60	E 05 B	69/00			
		27/04						9/50				61,62	E 05 B	73/00			
111,112	D 04 B	15/08						15/74				63	B 65 D	55/14			
113-115	D 04 B	15/00	195	D 04 B				15/78						65/48			
		35/00	196,197	D 04 B				9/10						65/52			
116,117	D 04 B	35/02						9/26				64	A 45 C	13/10			
118	D 04 B	3/02						9/28						65/52			
		35/02	198	D 04 B				9/34				65	B 65 D	33/34			
119	D 04 B	35/08	199	D 04 B				9/38						65/52			
120-122	D 04 B	35/04	200	D 04 B				9/48				66	A 45 C	13/10			
		35/06	201	D 04 B				9/50						65/52			
123,124	D 04 B	35/02	202	D 04 B				15/76				67,68	E 05 B	67/38			
125	D 04 B	3/06						15/78				69-71	A 45 C	13/10			
		15/48						9/10						65/52			
		27/10						9/26				72-75	A 45 C	13/10			
		35/00						9/28						65/48			
126-130	D 04 B	15/52						9/34				76	A 45 C	13/10			
		15/56						9/38						65/52			
		15/64	203	D 04 B				9/48				77	E 05 B	65/00			
131	D 04 B	15/38						9/50				78-84	E 05 B	65/44			
		15/48	204	D 04 B				15/66				85-88	E 05 B	65/46			
		15/50	205	D 04 B				15/68				89	E 05 B	65/00			
132	D 04 B	15/48	206-208	D 04 B				15/74				90	E 05 B	65/08			
		15/50	209-212	D 04 B				15/76				91	E 05 B	65/00			
133	D 04 B	15/58	213	D 04 B				15/78				92	E 05 B	65/10			
		23/22	214	D 04 B				15/82				93,94	E 05 B	65/00			
134	D 04 B	15/60	215,216	D 04 B				9/10				95-100	E 05 B	65/08			
135	D 04 B	9/32						9/26				101	E 05 B	65/06			
		15/60						9/28				102-106	E 05 B	63/00			
136,137	D 04 B	9/34						9/38						65/06			
138-144	D 04 B	15/54						9/48				107-111	E 05 B	59/00			
		23/22						9/50						63/14			
		27/02						15/66				113-123	E 05 B	63/14			
145	D 04 B	35/00						15/68				124-130	E 05 B	65/06			
146	D 04 B	15/44						15/74				131	E 05 B	63/12			
		27/12						15/76						65/28			
		27/14						15/78				132-135	E 05 B	65/06			
147	D 04 B	35/00						15/80				136	E 05 B	63/00			
148	D 04 B	9/40						15/82				137-139	E 05 B	65/06			
149-153	D 04 B	15/88						9/26				140	E 05 B	63/00			
		27/34	217	D 04 B				9/28				141	E 05 B	55/00			
		35/00						9/34				142	E 05 B	63/12			
157	D 04 B	35/10						9/38				143-145	E 05 B	55/00			
158-164	D 04 B	35/12						9/48				149	E 05 B	55/06			
		35/14						9/50				150,151	E 05 B	55/00			
		35/16						15/68				152	E 05 B	55/14			
165	D 04 B	35/10						9/10				153	E 05 B	55/00			
		35/18	218-221	D 04 B				9/28				154,155	E 05 B	63/02			
166	D 04 B	35/20						9/34				156	E 05 B	63/00			
167	D 04 B	35/10										157	E 05 B	63/20			
												158-173	B 65 D	55/14			
												174	F 16 C	3/00			

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 70—Con.			304-310	E 05 B	37/02			63/00	19,20	C 05 B	17/00	114,115	A 01 N	37/10
			311	E 05 B	37/04	420	E 05 B	15/06		C 05 F	1/00	116,117	A 01 N	37/38
			312	E 05 B	37/02			17/00	21	C 05 F	3/00	118	A 01 N	37/18
175	G 05 G	5/00	313-319	E 05 B	37/00			63/00	22	C 05 F		119	A 01 N	47/28
	F 16 K	35/00	320	E 05 B	15/00	421	E 05 B	15/14	23	C 05 F	11/00	120	A 01 N	47/30
176-179	G 05 G	5/00	321,322	E 05 B	15/12			17/00	24	C 05 F	11/02	121	A 01 N	33/02
	F 16 K	35/00	323-328	E 05 B	15/14			63/00	25	C 05 F	7/00	122	A 01 N	31/00
	G 05 G	5/00	329	E 05 B	15/00	422	E 05 B	15/16			11/00			35/08
180	F 16 K	35/00	330,331	E 05 B	17/00			63/00	26	C 05 F	5/00	123	A 01 N	35/00
	G 05 G	5/00	332	E 05 B	1/00	423-428	E 05 B	13/02	27	C 05 C		124	A 01 N	31/00
181	F 16 K	3/00	333,334	E 05 B	15/16			17/14		C 05 F		125	A 01 N	33/18
	G 05 G	5/00			63/00	429,430	E 05 B	11/00	28	C 05 C	9/00	126	A 01 N	29/00
182-189	B 60 R	25/02	336	E 05 B	35/00			13/04	29	C 05 B	15/00	127	A 01 N	27/00
	F 16 K	3/00	337,338	E 05 B	35/08	431	E 05 B	17/00		C 05 C	9/00	128	A 01 N	59/00
	G 05 G	5/00	339	E 05 B	35/12	432	E 05 B	41/00	30	C 05 C				59/08
190-206	F 16 H	57/00	340-343	E 05 B	35/10	433-435	E 05 B	39/04	31	C 05 B				59/10
	G 05 G	5/00	344	E 05 B	35/00			1/32		C 05 C				59/12
207-224	B 60 R	25/02	345	E 05 B	35/04	436,437	E 05 B	39/04		C 05 D				59/14
	B 62 H	5/04	346	E 05 B	15/06	438	E 05 B	17/00		C 05 F				
	E 05 B	13/10	347-349	E 05 B	21/00	439	E 05 B	39/00		C 05 G				
	F 16 C	3/00			23/00	440	E 05 B	39/02	32,33	C 05 B				
	G 05 G	5/00	350	E 05 B	21/00	441	E 05 B	17/00	34-36	C 05 B	7/00			
225,226	B 60 R	25/00	351	E 05 B	23/00	442	E 05 B	15/00	37	C 05 B	11/04			
	B 62 H	5/14	352-355	E 05 B	21/00	443	E 05 B	9/00	38	C 05 B	11/14			
227	B 60 R	25/00			23/00	444	E 05 B	15/00	39	C 05 B	11/06			
	B 62 H	5/16			25/00	445	E 05 B	1/00			11/12			
228	B 60 R	25/08	356	E 05 B	29/14			3/00	40	C 05 B	1/00			
	B 62 H	5/18			31/00	446	E 05 B	17/00			11/08			
229-232	F 16 B	41/00			27/00	447	E 05 B	15/00	41	C 05 B				
233-235	B 62 H	5/00	357	E 05 B	29/00	448	E 05 B	9/00			11/10			
	E 05 B	71/00			31/00	449	E 05 B	9/04	42	C 05 B	11/16			
236	B 62 H	5/08			33/00	450,451	E 05 B	9/08	43	C 05 B	11/00	8,9	B 21 B	37/12
	E 05 B	71/00			27/06	452	A 47 B	95/04	44-47	C 05 B	13/00	10-12	B 21 B	37/00
237,238	B 60 R	25/00	358	E 05 B	29/14			15/02	48	C 05 B		13	B 21 B	37/10
	E 05 B	65/12			31/00	453,454	E 05 B	15/08	49	C 05 B	17/00	14,15	B 21 B	37/00
239	B 60 R	25/04			27/04	455	E 05 B	17/18	50	C 05 B	11/06	16	B 21 B	37/02
	E 05 B	65/12	359	E 05 B	27/00	456-459	A 44 B	15/00			17/00	17,18	B 21 B	37/04
240	B 60 R	25/00	360-369	E 05 B	29/00		A 45 C	11/32		C 05 C	1/00	19-21	B 21 B	37/08
	E 05 B	65/19			33/00	460	A 47 G	29/10			7/00	22-27	B 21 J	7/46
241	B 60 R	25/04			9/08	461	E 05 B	19/24	51	C 05 B	7/00	28,29	B 21 B	37/06
	E 05 B	65/19	370	E 05 B	9/04			63/00	52,53	C 05 B	17/00	30	B 30 B	15/00
242-244	B 60 R	25/04	371	E 05 B	15/00	462	E 05 B	63/06	54	C 05 C		31-34	B 21 C	51/00
	E 05 B	65/12	372	E 05 B	9/04	463	E 05 B	63/04	55-57	C 05 C	7/00	35,36	B 21 B	31/34
	F 16 K	35/00	373-375	E 05 B	15/14	464	E 05 B	17/00	58,59	C 05 C		37	B 21 C	51/00
245-247	B 60 R	25/06	376-378	E 05 B	9/10			17/08	60	C 05 C	1/00	38	B 21 B	9/00
	E 05 B	65/12	379,380	E 05 B	17/04	465	E 05 B	63/00			5/00	39	B 21 B	45/04
248	B 60 R	25/06	381	E 05 B	15/02	466	E 05 B	17/00			11/00	40	B 21 B	43/00
	E 05 B	65/12	382-386	E 05 B	35/04			17/06	61-63	C 05 D		41-45	B 21 C	45/02
249	B 60 R	25/06	387	E 05 B	63/22	467-489	E 05 B	55/04	64,01-64.13	A 01 N	25/00	46,47	B 21 B	45/00
	E 05 B	65/12			17/00	490-492	E 05 B	27/00		C 05 G	5/00		B 21 C	23/24
250,251	B 60 R	25/04	388	E 05 B	11/00	493,494	E 05 B	27/00	65-67	A 01 N	3/02	48	B 21 D	19/12
	E 05 B	65/12	389	E 05 B	11/06	495,496	E 05 B	27/00	68	A 01 N		49,50	B 21 C	37/12
252	B 60 R	25/02	390	E 05 B	15/14			29/00	69,70	A 01 N	57/00	51,52	B 21 D	39/02
	E 05 B	65/12	391	E 05 B	25/00				71	A 01 N	31/00			51/28
	B 60 R	25/04	392	E 05 B	19/00				72	A 01 N	43/02	53	B 21 J	
253	B 60 R	25/00	393	E 05 B	19/20				73	A 01 N	43/34	54	B 21 D	22/10
	E 05 B	65/12	394	E 05 B	19/00				74	A 01 N	43/02			26/00
254,255	B 60 R	25/04	395	E 05 B	19/02				75	A 01 N				28/18
	E 05 B	65/12	396,397	E 05 B	19/08				76-79	A 01 N	59/00	55	B 21 J	5/04
256	B 60 R	25/00	398,399	E 05 B	19/12				80-84	A 01 N			B 21 D	22/00
	E 05 B	65/12			19/14				85	A 01 N	57/00			26/00
257	B 60 R	25/04	400,401	E 05 B	19/02				86	A 01 N	57/10	56	B 21 D	26/02
	E 05 B	65/12	402-404	E 05 B	19/04				87	A 01 N	43/00		B 21 J	5/04
258-260	E 05 B	65/12	405,406	E 05 B	19/16				88	A 01 N	43/08	57,58	B 21 D	39/08
261	A 47 C	31/00			19/02				89	A 01 N	43/02			39/20
	E 05 B	65/44	407	E 05 B	19/04				90,91	A 01 N	43/48	59	B 21 D	15/06
262-265	E 05 B	53/00	408	E 05 B	19/06				92,93	A 01 N	43/64	60-63	B 21 D	22/10
		63/14	409	E 05 B	19/06						43/40			28/18
		65/36	410	E 05 B	19/26				94	A 01 N	43/36			39/20
266	E 05 B	15/00			19/18				95	A 01 N	43/38	64,65	B 21 B	15/02
267-274	E 05 B	43/00	411	E 05 B	19/06				96	A 01 N	55/02		B 21 D	11/14
275	E 05 B	51/00	412	E 05 B	35/06				97	A 01 N	31/00	66	B 21 D	11/00
276,277	E 05 B	47/00			19/26				98	A 01 N	33/08	67	B 21 B	1/00
278	E 05 B	49/00	413	E 05 B	47/00				99	A 01 N	37/00			3/00
279-282	E 05 B	47/06			19/00				100,101	A 01 N	37/12			11/00
283	E 05 B	37/00	414	E 05 B	13/00				102	A 01 N	41/00	68	B 21 B	15/00
284-286	E 05 B	37/16	415	E 05 B	15/00				103,104	A 01 N	37/34			23/00
287,288	E 05 B	37/20			17/00	6-10	C 05 F	11/08	105	A 01 N	37/00	69	B 21 B	27/06
289,290	E 05 B	37/00			15/16	11	C 05 F		106	A 01 N	37/10	70-76	B 21 B	13/20
291	E 05 B	37/12	417	E 05 B	17/00	12,13	C 05 F	3/00	107	A 01 N	37/36	77	B 21 B	3/00
292,293	E 05 B	37/00			63/00	14	C 05 F	9/00	108	A 01 N	37/38	78	B 21 D	3/06
294-296	E 05 B	37/16			15/00	15	C 05 F	1/00	109,110	A 01 N	37/44	79	B 21 D	5/00
297-300	E 05 B	37/08	418,419	E 05 B	17/00	16-18	C 05 F	1/00	111	A 01 N	37/10	80	B 21 B	22/00
301	E 05 B								112	A 01 N		81	B 21 D	
302,303	E 05 B								113	A 01 N				

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1	B 21 D	55/00
2-5	B 21 B	33/02
	B 21 D	55/00
6	B 21 B	37/00
7	B 21 B	37/14
	B 30 B	15/26
8,9	B 21 B	37/12
10-12	B 21 B	37/00
13	B 21 B	37/10
14,15	B 21 B	37/00
16	B 21 B	37/02
17,18	B 21 B	37/04
19-21	B 21 B	37/08
22-27	B 21 J	7/46
28,29	B 21 B	37/06
30	B 30 B	15/00
31-34	B 21 C	51/00
35,36	B 21 B	31/34
37	B 21 C	51/00
38	B 21 B	9/00
39	B 21 B	45/04
	B 21 C	43/00
40	B 21 B	45/02
	B 21 C	43/00
41-45	B 21 B	45/02
46,47	B 21 B	45/00
	B 21 C	23/24
48	B 21 D	19/12
49,50	B 21 C	37/12
51,52	B 21 D	39/02
		51/28
53	B 21 J	
54	B 21 D	22/10
		26/00
		28/18
	B 21 J	5/04
55	B 21 D	22/00
		26/00
		28/18
56	B 21 D	26/02
	B 21 J	5/04
57,58	B 21 D	39/08
		39/20
59	B 21 D	15/06
60-63	B 21 D	22/10
		28/18

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U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 72—Con.														
82,83	B 21 D	5/00	200-202	B 21 H	1/22			25/00	449-454	B 21 J	9/18			33/24
		22/14	203,204	B 21 B	27/06			25/04	455	B 21 D	37/12	63	G 01 N	11/00
84,85	B 21 D	22/00	205	B 21 B	1/00	294	B 21 D	43/28		B 21 J	13/04	64	G 01 N	33/28
86,87	B 21 D	19/12	206	B 21 B	39/08	295-298	B 21 D	11/02	456	B 21 D	37/10	64.1	G 01 N	33/48
88	B 21 D	17/04	207	B 21 B	15/00	299	B 21 D	11/14		B 21 J	13/04	64.2	G 01 N	7/00
	B 21 H	3/06	208,209	B 21 B	17/10	300-303	B 21 D	11/02	457-460	B 21 J	13/08	64.3	G 01 N	7/10
89	B 21 H	1/14	210,211	B 21 D		304-307	B 21 D	11/00	461	B 21 D	11/22			13/04
	B 21 H	3/06	212,213	B 21 D	9/08	308-310	B 21 D	5/04	462	B 21 D	37/01	64.4	G 01 N	13/02
90	B 21 B	17/04	214-220	B 21 D	7/02	311-315	B 21 D	11/00		B 21 J	13/00	65	G 01 M	1/12
	B 21 H	3/06		B 21 D	7/02	316,317	B 21 D	41/02	463	B 21 D	37/18	66	G 01 M	1/00
91-94	B 21 B	19/00	221	B 21 B	7/02	318-323	B 21 D	11/00	464	B 21 C	3/02	73-76	G 01 N	5/02
95	B 21 B	19/08	222,223	B 21 B	1/00	324	B 21 D	43/28	465,466	B 21 B	25/00			25/56
96	B 21 B	19/04	224,225	B 21 B	39/14		B 21 K	27/06	467	B 21 C	3/00	77	G 01 N	25/62
97	B 21 B	19/12	226	B 21 B	13/10	325-331	B 21 D	31/02	468	B 21 C	3/06	78	B 23 Q	17/20
98	B 21 B	19/02	227	B 21 B	39/00	332-341	B 21 D	28/00	469	B 21 D	17/00		G 01 N	3/00
99	B 21 D	3/04	228	B 21 B	41/00	342	B 21 D	37/16	470-475	B 21 D	37/14	79	G 01 N	3/52
	B 21 D	3/05	229	B 21 B	41/04	343	B 21 D	22/00	476	B 21 C	3/16	81	G 01 N	3/48
100	B 21 D	19/00	230	B 21 B	41/06	344-346	B 21 D	45/00	477	B 21 D	31/00	82	G 01 N	3/42
101	B 21 B	1/10	231	B 21 B	41/10			45/02	478-480	B 21 J	13/02	83	G 01 N	3/32
102	B 21 B	27/00	232	B 21 B	41/02			45/04			13/03			3/44
103,104	B 21 H	3/04	233	B 21 B	13/04	347-351	B 21 D	22/00	481	B 21 D	37/04	84,85	G 01 N	3/00
105,106	B 21 D	15/04	234	B 21 B	13/08			45/06		B 21 D	37/00	86,87	G 01 N	17/00
107-111	B 21 D	15/00	235	B 21 B	13/12			45/08		B 21 C	3/06	104	B 23 Q	17/09
112	B 21 D	1/02	236	B 21 B	27/06			45/10	706-711	B 21 C	1/00		G 01 N	19/02
		3/02	238,239	B 21 B	31/07			47/01				105	G 01 B	5/28

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 73—Con.			536-551	G 01 P	15/02			29/02		G 01 R	33/20			29/00
			570	G 01 H	17/00			29/04	633	G 01 B	15/00			33/00
				G 01 N	24/00	601	G 01 N	9/24		G 01 K	11/06	660	G 01 D	1/00
227	G 01 F	1/00		G 01 M	7/00			29/00		G 01 N	9/24		G 01 H	11/00
232-233	G 01 F	3/02	571	G 01 N	29/00			29/04			29/00		G 01 M	1/22
234	G 01 F	3/30		G 01 H	1/00	602	G 01 N	9/24	634	G 01 N	29/04			13/00
235-236	G 01 F	3/32			13/00			21/00			24/00		G 01 N	29/00
237	G 01 F	3/34		G 01 M	7/00			29/00			29/04	661	G 01 H	11/00
238	G 01 F	3/32	573	G 01 M	7/00			29/04			29/00		G 01 N	9/18
239-251	G 01 F	3/14		G 01 N	3/48	603	G 01 N	29/04			29/04		G 01 M	3/32
252	G 01 F	3/06			24/00		G 03 H	3/00	635	G 01 N	24/00	662	G 01 M	7/00
253-257	G 01 F	3/08			29/00	604	G 01 N	9/24			29/04			3/00
258	G 01 F	3/12	574-576	G 01 H	1/00			29/00	636	G 01 N	29/04	663	B 06 B	29/00
259-261	G 01 F	3/04		G 01 M	7/00	605	G 01 N	29/04	637	G 01 N	9/24		G 01 N	7/00
262-271	G 01 F	3/20		G 01 N	29/00	606	G 01 N	9/24			29/00	664	G 01 M	29/00
272	G 01 F	15/00	577,578	G 01 M	3/00			29/00	638	G 01 N	29/00	665	G 01 N	1/00
273	G 01 F	15/14			7/00			29/04			29/04		B 06 B	1/12
274-276	G 01 F	15/00		G 01 N	29/00	607	A 61 B	10/00	639,640	G 01 N	9/24		G 01 M	7/00
277	G 01 F	15/10	579	G 01 H	1/00		G 01 N	9/24			29/00		G 01 N	3/32
278-281	G 01 F	15/00			9/00			29/04			29/04			29/00
290-295	G 01 F	23/00			13/00	608	G 01 N	29/04	641	G 01 N	29/00	666	B 06 B	1/00
296	G 01 F	23/20		G 01 L	1/00	609	G 01 B	17/02			29/04		G 01 M	7/00
297-304	G 01 F	23/00		G 01 M	7/00		G 01 N	3/00	642	G 01 N	9/24	667	B 06 B	1/00
305	G 01 F	23/30		G 01 N	3/32			9/24			29/00			1/12
		23/56			21/00			24/00			29/04		G 01 M	7/00
306-312	G 01 F	23/30			24/00			29/00	643	H 04 R	17/00		G 01 N	3/32
313	G 01 F	23/36			29/00			29/04		G 01 N	9/24			29/00
		23/52			29/04	610	G 01 N	9/24	644	G 01 N	24/00	668	G 01 N	29/00
		23/60	580	G 01 G	3/16			23/20			29/00	669	H 04 R	9/04
314-316	G 01 F	23/30			11/00			29/00			29/04		G 01 M	5/00
317	G 01 F	23/32			11/04	611	G 01 N	9/24			33/20			7/00
318	G 01 F	23/30		G 01 M	7/00			29/04			3/08		G 01 N	17/00
319	G 01 F	23/56		G 01 N	29/00	612	G 01 N	9/24	645-648	G 01 C	3/08			3/32
320-322	G 01 F	23/30	581	G 01 H	13/00			29/00		G 01 G	1/00		G 01 N	29/00
322-5	G 01 F	23/76	582	G 01 H	13/00			29/04		G 01 H	1/00	670	G 01 M	7/00
323-334	G 01 F	23/02		G 01 N	24/00	613	G 01 N	29/04			1/08			17/00
335-338.6	G 01 W				29/04		G 01 R	33/20			3/10			1/06
379	A 61 B	5/22	583	G 01 H	1/00	614	G 01 N	9/24			3/12	671	B 06 B	7/00
380,381	G 01 L	5/06	584	C 21 B	7/24			29/00			5/00		G 01 M	29/00
382,383	G 01 M	1/12		G 01 H	1/00			29/04		G 01 K	11/00	672	G 01 M	13/04
384,385	G 01 L	7/20		G 01 N	3/32	615	G 01 B	17/02			13/00	700,701	G 01 L	7/00
386,387	G 01 L	7/12			9/24		G 01 N	9/24			11/00	702-704	G 01 L	11/00
426-429	G 01 F	19/00			29/00			29/00		G 01 L	1/00	705	G 01 L	9/00
430	G 01 D	11/10			29/04			29/04		G 01 V	13/00	706,707	G 01 L	7/00
431	G 01 D	11/24		G 01 S	3/80	616	G 01 N	9/24			13/00	708	G 01 L	19/04
	G 01 L	19/14	585	A 61 B	1/22			29/00	649	G 08 B	11/00	709-711	G 01 L	7/00
	G 01 P	1/02			5/12	617	G 01 B	17/00		G 01 H	11/00		G 01 L	19/08
432.1	G 01 F	15/14	586	H 04 R	1/28		G 01 N	9/24		G 01 N	29/00		G 01 L	7/22
	G 01 J	5/04	587	G 01 D	7/00			29/04	650	G 01 D	9/00		G 01 L	7/00
	G 01 L	19/14		G 01 H	1/00	618	G 01 N	29/04		G 01 H	1/10	713	G 01 L	7/08
	G 01 N	7/00		G 01 N	29/00	619	G 01 N	9/24		G 01 N	29/00	715	G 01 L	13/02
	G 01 P	1/02	588	G 01 M	7/00			29/04	651	G 01 D	21/00	716	G 01 L	15/00
433	G 01 N	9/02		G 01 N	29/04	620	G 01 N	24/00	652	G 01 N	1/00			9/00
434	G 01 N	9/06	589	G 01 N	29/00			29/00		G 01 P	15/00	717	G 01 L	9/12
435,436	G 01 N	9/00	590	G 01 H	3/00			29/04			15/02	718	G 01 L	9/02
437	G 01 N	9/10		G 01 N	29/00	621	G 01 N	29/04		G 01 V	1/16	719	G 01 L	9/04
438	G 01 N	9/12			29/04	622	G 01 N	9/24	653	G 01 H	1/00	720	G 01 L	9/06
439	G 01 N	9/28	591	G 01 N	29/00			29/00		G 01 P	1/07	721	G 01 L	9/10
440-454	G 01 N	9/00	592	G 01 H	3/00	623	A 61 B	5/04	654	G 01 H	1/00	722	G 01 L	9/14
455-459	G 01 M	1/00		G 01 N	29/00		G 01 N	29/04			1/08			9/00
460-470	G 01 M	1/16	593	G 01 H	1/08	624	G 01 N	29/04			11/06	723	G 01 L	9/12
471-487	G 01 M	1/00		G 01 M	13/02	625	G 01 N	24/00		G 01 N	9/18	724	G 01 L	9/02
488-491	G 01 P	15/00			13/04			29/00			29/00	725	G 01 L	9/04
492	G 01 P	15/04		G 01 N	29/00			29/04		G 01 P	15/12	726	G 01 L	9/06
493,494	G 01 P	1/02	594	G 01 M	7/00	626	G 01 N	9/24	655	G 01 D	5/32	727	G 01 L	9/10
495,496	G 01 P	15/00		G 01 N	3/30			29/00		G 01 H	1/00	728	G 01 L	7/06
497	G 01 P	3/00			29/00			29/04			9/00	729	G 01 L	9/14
498	G 01 L	9/00	595	G 01 M	7/00	627	G 01 B	17/02			9/18	730,731	G 01 L	7/02
499	G 01 P	3/00	596	G 01 N	9/04		G 01 N	9/24	656	G 01 B	11/16			7/10
500,501	G 01 P	3/20		H 03 H	7/30			29/00		G 01 H	9/00	732	G 01 L	7/04
502	G 01 P	3/00	597	G 01 H	5/00			29/04		G 01 N	1/18	733	G 01 L	9/00
503	G 01 P	7/00		G 01 K	11/00	628	G 01 N	29/00			25/00	734	G 01 L	9/02
504	G 01 P	9/00		G 01 N	9/24			29/04			9/02			9/04
505	G 01 P	15/00			24/00		G 01 R	33/20	657	G 01 B	9/02		G 01 L	9/10
506	G 01 P	7/00			29/02	629	G 01 N	9/24		G 01 N	21/41	735		9/14
507	G 01 P	15/00			29/04			17/00			29/04		G 01 L	13/02
508,509	G 01 P	3/00		G 01 S	15/00			24/00	658	G 01 D	11/06	736		15/00
510-513	G 01 P	3/04		G 01 V	1/28			29/00		G 01 H	1/00	737	G 01 L	7/04
514-516	G 01 P	15/00	598	G 01 N	29/04			29/04		G 01 N	9/18	738	G 01 L	19/06
517	G 01 P	15/08		G 01 R	33/20		G 01 R	33/20			29/00	739	G 01 L	7/04
518-520	G 01 P	3/22	599	G 01 H	3/12		G 06 M	7/04			29/00	740	G 01 L	7/14
521-525	G 01 P	3/26		G 01 N	9/24		H 01 J	29/89		G 01 R	9/04			19/02
526-529	G 01 P	3/00			24/00	630	G 01 N	29/00		G 01 D	7/00		G 01 L	7/04
530-534	G 01 P	3/18			29/00	631	G 01 N	29/00	659	G 01 H	1/04	741-743	G 01 L	7/16
535	G 01 P	3/16		G 01 V	1/06			29/04		G 01 M	7/00	744	G 01 L	9/00
		15/02	600	G 01 N	9/24	632	G 01 N	29/00		G 01 N	23/16	745		

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 73—Con.			861.39	G 01 F	1/20	862.68	G 01 L	1/16			63/00	64	F 16 H	25/08
			861.41	G 01 F	13/00			1/18	3.5	F 16 H	59/00			33/02
746	G 01 L	9/02	861.42	G 01 F	1/34			1/20			61/00			33/08
747	G 01 L	7/18	861.43	G 01 F	1/34			1/25			63/00	65-69	F 16 H	21/14
748	G 01 L	7/20			15/07	862.69	G 01 L	1/12	3.52	F 16 H	3/74			21/48
749	G 01 L	9/00	861.44,861.45	G 01 F	1/34			1/25	3.54-4	F 16 H	59/00	70	F 16 H	21/40
750	G 01 L	9/02			15/075	863	G 01 N	1/00			61/00			21/52
751	G 01 L	7/24	861.46	G 01 F	1/37	863.01-863.25	G 01 N				63/00			27/04
752	G 01 L	21/04			15/075	863.31	G 01 N	1/16	5	G 01 C	19/02			29/12
753	G 01 L	9/00	861.47,861.48	G 01 F	1/38			1/26	5.1-5.14	G 01 C	19/24	71-73	F 16 H	21/40
754	G 01 L	9/00	861.49,861.51	G 01 F		863.32	B 01 L	3/02	5.2	G 01 C	19/04			21/52
		9/16	861.52	G 01 F	1/37	863.33	G 01 N	1/16	5.22,5.34	G 01 C	19/02			27/04
755	G 01 L	21/12	861.53-861.55	G 01 F	1/22			1/26	5.37	G 01 C	19/06			29/20
756	G 01 L	7/00			1/40	863.41-863.45	G 01 N	1/20	5.4	G 01 C	19/54	74	F 16 H	21/40
760	G 01 B	5/30	861.56	G 01 F	1/24	863.51-863.81	G 01 N		5.41,5.42	G 01 C	19/30			21/52
		7/16	861.57,861.58	G 01 F	1/22	863.82	G 01 N	1/16			19/46			27/08
	G 01 L	1/00	861.59	G 01 F	1/34			1/26	5.43	G 01 C	19/30			29/20
	G 01 N	3/00	861.61,861.62	G 01 F	1/42	863.83,863.84	G 01 N	1/14			19/52	75	F 16 H	21/40
761	F 16 B	31/02	861.63,861.64	G 01 F	1/44	863.85,863.86	G 01 N	1/00	5.44,5.45	G 01 C	19/30			21/52
762	G 01 B	11/20	861.65-861.68	G 01 F	1/46	863.91-864	G 01 N				19/46			27/04
		21/32	861.69	G 01 F	1/34	864.01-864.03	B 01 L	3/02	5.46,5.47	G 01 C	19/30			29/12
763	G 01 B	7/16	861.71,861.72	G 01 F	1/28	864.11-864.18	B 01 L	3/02	5.5	G 01 C	19/04	76-81	F 16 H	21/40
	G 01 F	25/00	861.73	G 01 F	1/30			1/14	5.6	G 01 C	19/28			21/52
	G 01 L	1/00	861.74-861.76	G 01 F	1/28	864.21-864.25	B 01 L	3/02	5.7	G 01 C	19/06			27/02
764-782	G 01 B	7/16	861.77	G 01 F	15/00			35/06	5.8	G 01 C	19/44			29/20
	G 01 L	1/00	861.78	G 01 F	15/06	864.31	G 01 N	1/00	5.9	G 01 C	19/34	82	F 16 C	1/02
783	G 01 N	19/06	861.79	G 01 F	1/05	864.32	G 01 N	1/12	6-9	F 02 N				27/04
784,785	G 01 B	5/00	861.81,861.82	G 01 F	1/08	864.33	G 01 N	1/00	10-10.9	F 16 H	35/18			29/12
		7/16	861.83,861.84	G 01 F	1/12	864.34,864.35	G 01 N	1/14	11-15.86	F 16 H	37/00	83	F 16 H	27/04
	G 01 L	1/00	861.85	G 01 P	5/06			1/24	15.88	F 16 H	37/00			29/12
	G 01 N	3/00	861.86	G 01 F	1/05	864.41-864.45	G 01 N	1/04			37/16			33/08
		33/24	861.87	G 01 F	1/06	864.51	G 01 N	1/12	16	F 16 M		84	F 16 H	27/04
786	G 01 M	5/00	861.88	G 01 F	1/07	864.52	G 01 N	1/14	17	F 16 H	37/00	86,87	F 16 H	33/10
787	G 01 D	1/00	861.89-861.92	G 01 F	1/10	864.53	G 01 N	1/12	17.5	F 16 H	61/06			37/00
788	G 01 N	3/00	861.93	G 01 F	1/11	864.54	G 01 N	1/12	17.8-18.2	F 16 J	15/50	88,89	F 16 H	27/02
		11/00	861.94	G 01 F	1/115			1/14	20	F 16 H	21/00			29/02
789-793	G 01 D	1/16	861.95	G 01 F	1/708	864.55-864.59	G 01 N	1/12			37/16	89.1-89.12	F 16 H	27/02
		7/02	862	G 01 L		864.61,864.62	G 01 N	1/12	21	F 16 H	21/02			29/02
794-798	G 01 N	3/00	862.01	G 01 L	5/00			1/14			27/00			29/20
799	G 01 N	19/08	862.02	G 01 L	5/03	864.63-864.67	G 01 N	1/12			37/16	89.13	F 16 H	27/02
		29/04	862.03	G 01 L	5/13	864.71	G 01 N	1/04	22,23	F 16 H	21/00			29/02
800	G 01 L	1/24	862.04	G 01 D	7/02	864.72	G 01 N	1/12			25/08	89.14,89.15	F 16 H	27/02
801	G 01 N	29/04		G 01 L	5/16	864.73,864.74	G 01 N	1/10			37/16			29/02
802	G 01 M	5/00	862.05	G 01 L	5/22			1/22			27/04			29/20
803	G 01 N	3/00	862.06	G 01 L	5/16	864.81-864.87	G 01 N	1/00	24	F 16 H	37/16	89.16	F 16 H	27/02
804	G 01 N	19/00	862.07	G 01 L	5/04			35/00	25	F 16 H	21/16			29/02
805-807	G 01 N	3/00	862.08	G 01 L	3/00	864.91	B 01 L	3/00			21/40	89.17-89.21	F 16 H	27/02
808-815	G 01 N	3/32	862.09,862.11	G 01 L	3/16		G 01 N	37/00			21/50			29/02
816,817	G 01 N	3/00	862.12,862.13	G 01 L	3/18	865	G 01 G	9/00			21/52			29/20
818-821	G 01 N	3/08	862.14-862.16	G 01 L	3/20	865.1	G 01 F	23/14	26	B 07 B	1/42	89.22	F 16 H	27/02
822,823	G 01 N	11/00	862.17,862.18	G 01 L	3/22	865.2	G 01 C	9/22		F 16 H	21/16			29/02
824	G 01 N	3/08	862.19	G 01 L	3/20	865.3	G 01 M	19/00			21/40	96-107	F 16 H	21/44
825	G 01 N	3/10	862.21,862.22	B 25 B	23/14	865.4	A 61 B	5/00			21/50			21/54
826-837	G 01 N	3/08		G 01 L	5/24		G 01 L	5/16			21/52			25/18
838-840	G 01 N	3/00	862.23,862.24	B 25 B	23/14	865.5	G 01 N	15/00			33/20	108	F 16 C	1/10
841-846	G 01 N	3/24		G 01 D	1/00	865.6	G 01 N	17/00	27,28	F 16 H	21/02			21/44
847,848	G 01 N	3/22		G 01 L	5/24	865.7	G 01 N	33/00			21/16			21/54
		3/26	862.25,862.26	B 25 B	23/14	865.8	G 01 M	19/00			21/40			25/18
849-854	G 01 N	3/20		G 01 L	5/24	865.9	G 01 N	19/00			21/50	109,110	F 16 H	21/44
855	G 01 L	1/00	862.27	G 01 D	9/00	866	G 01 N	33/00			21/52			21/54
856-860	G 01 N	3/02	862.28	G 01 L	5/24	866.1	G 01 D	7/02	29-35	F 16 H	19/04			25/18
861	G 01 F	1/00	862.29-862.36	G 01 L	3/02	866.2	G 01 D	1/10			19/08	111,112	F 16 H	27/00
861.01-861.03	G 01 F	1/86	862.37	G 01 L	3/14	866.3	G 01 D	7/02			21/38			29/00
		15/02	862.38	G 01 L	1/00	866.4	G 01 M	19/00	36	F 16 H	27/00	113	F 16 H	31/00
861.04	G 01 F	1/74	862.39	G 01 L	5/04	866.5	G 01 D	21/00			35/00			33/04
861.05	G 01 F	1/708	862.41	G 01 L	5/10				37	F 16 H	19/06			35/02
	G 01 P	5/18	862.42	G 01 L	5/04						37/00			43/00
861.06	G 01 F	1/712	862.43	A 63 B	51/00				38	F 16 H	21/26	114	F 16 H	31/00
	G 01 P	5/22		G 01 L	5/04				39-41	F 16 H	21/32			33/04
861.07	G 01 F	1/704	862.44-862.47	G 01 L	5/04				42,43	F 16 H	21/18			35/02
	G 01 P	5/18	862.48	G 01 L	5/10				44	F 16 H	21/22	116	F 16 H	29/00
861.08	G 01 F	1/56	862.49	G 01 L	5/12				45-50	F 16 H	21/18	117	F 16 H	29/04
		1/716	862.51	G 01 D	9/00				51	F 16 H	21/34	118	F 16 H	29/00
	G 01 P	5/08	862.52	G 01 L	1/26	1	F 16 H	37/00	52	F 16 H	37/12	119	F 16 H	29/08
861.09	G 01 F	1/56	862.53	G 01 D	1/00	1.5	G 04 B	15/00	53-55	F 16 H	25/08	120,121	F 16 H	29/20
		1/64		G 01 L	1/06	2	B 23 Q	11/16			25/16	122	F 16 H	29/00
861.11-861.15	G 01 F	1/58	862.54-862.56	G 01 L	5/00		F 16 H	59/00	56,57	F 16 H	25/12	123,124	F 16 H	29/10
861.16,861.17	G 01 F	1/60	862.57	G 01 L	5/13			61/00			25/16	125	F 16 H	29/00
861.18,861.19	G 01 F	1/20	862.58	G 01 L	1/02			63/00	58,59	F 16 H	25/12	125.5	F 16 D	27/10
861.21	G 01 F	1/66	862.59	G 01 L	1/10			17/00			25/18			29/00
861.22-861.24	G 01 F	1/32	862.61	G 01 L	1/08	3	F 16 H	59/00	60	F 16 H	23/00	126-143	F 16 H	27/02
861.25-861.31	G 01 F	1/66	862.62	G 01 L	1/04			61/00	61	F 16 H	33/00			31/00
861.32,861.33	G 01 F	1/20	862.63	G 01 D	3/04			63/00	62	F 16 H	25/08	144	F 16 D	7/00
861.34	G 01 F	1/32	862.64	G 01 L	1/14	3.2	F 16 H	33/14			25/16			11/00
861.35-861.37	G 01 F	1/78			1/24			59/00	63	F 16 H	21/12			41/00
861.38	G 01 F	1/84	862.65-862.67	G 01 L	1/22			61/00			21/48		F 16 H	27/00
						U.S. Class 74								
						MACHINE ELEMENTS AND MECHANISMS								

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U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 74—Con.						U.S. Class 75											
145-147	F 16 H	29/00	422	F 16 H	1/20	564	G 05 G	1/18	METALLURGY			28	C 21 B				
	G 05 G	51/00	423,424	F 16 H	1/04	565,566	G 05 G	1/00					C 21 C				
148	F 16 D	7/00	424.5-424.8	F 16 H	1/14	567,568	F 16 H	53/00	0.5	B 22 F		30	C 21 B	3/04			
					1/20	569	F 16 H	53/06		C 21 C			C 21 B	5/04			
					1/18	570-572	G 05 G	1/00		C 22 B			C 21 C	5/54			
					1/20			3/00		C 22 B							
					1/16	573	F 16 F	15/22		C 22 C	1/04	31	C 21 B				
					1/20	574	F 16 F	15/10	1	C 22 B	1/00	32	C 21 C	3/00			
149,150	F 16 H	27/10	431-433	F 16 H	55/00	575-578	G 05 G	1/00	2	B 03 D		33-39	C 21 B	13/00			
	F 16 D	41/12	434-438	F 16 H	55/17			3/00		C 22 B	1/00			15/00			
	F 16 H	27/00	439	F 16 H	55/12	579	G 05 G	1/00	3	C 22 B	1/08	40	C 21 B	11/00			
		29/00	440,441	F 16 H	55/18	580-594	G 05 G	1/00	4	C 22 B	1/24	41,42	C 21 B	5/00			
151-155	F 16 D	41/12	443	F 16 H	55/14			3/00		C 22 B	1/245	43	C 21 C				
	F 16 H	27/00	444-451	F 16 H	55/12	594.1-594.7	G 05 G	1/14	5	C 22 B	1/16		C 22 B	1/248			
		29/00	452	F 16 H	55/08	595	F 16 C	3/04	6	C 22 B	1/11	44	C 21 C	7/00			
		31/00	453	F 16 H	55/10	596-605	F 16 C	3/04	7	C 22 B	1/02		C 22 B	1/248			
156	F 16 H	51/00	458	F 16 H	55/17			11/00	8	C 22 B	1/04	45,46	C 21 C	7/00			
	G 05 G				55/22	606,607	F 16 H	57/02	9	C 22 B	1/10		C 21 C	3/00			
157-159	F 16 H	27/00	459-460	F 16 H	55/17	608-617	F 16 P	1/00	10.1-10.12	C 21 B	11/10	48-61	C 21 C	7/00			
		29/00	461	F 16 H	55/14			25/00			13/12	62	C 22 B				
		31/00	462-466	F 16 H	55/06	625,626	F 16 H			C 21 C	5/52		C 22 C				
		51/00			55/08	640	F 16 H	33/00			5/54	63	C 22 B	7/00			
	G 05 G				55/10			35/00	10.13	C 22 B	4/00	64	C 22 B	25/06			
160,161	F 16 H	27/00	467,468	F 16 H	57/04			37/00		C 21 B	11/10	65	C 22 B				
		29/00	469,470	G 05 G	1/00	645	F 16 H	47/00			13/12	66	C 22 B	26/10			

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 76			3.07	B 67 B	7/00			23/04	185.2,186	B 25 B	13/00	104	B 23 B	5/28
METAL TOOLS AND IMPLEMENTS, MAKING					7/92			23/06	300,301	B 25 B	7/00	105	B 23 B	3/22
			3.08	B 67 B	7/00	57.24,57.25	B 25 B	17/00	302	B 25 B	7/12			5/04
			3.09,3.15	B 67 B	7/44			29/00	303-313	B 25 B	7/02	106	B 23 B	5/18
			3.2,3.25	B 67 B	7/00	57.26-57.31	B 25 B	17/00	314	B 25 B	7/04	107	B 23 B	3/22
1	B 21 K		3.27	B 65 B	7/16	57.32	B 25 B	13/00	315-328	B 25 B	7/14			5/04
2,3	B 23 D		3.29	B 67 B	7/18			17/00	329	B 25 B	7/02	108	B 23 B	5/18
4	B 21 K	5/02	3.31,3.32	B 67 B	7/46	57.33-57.35	B 25 B	13/50	330	B 25 B	7/04	109	B 23 B	33/00
5	B 21 H	5/20	3.33	B 67 B	7/14			17/00	331-340	B 25 B	7/14	110,111	B 23 B	1/00
	B 21 K	3/10			7/18	57.36	B 25 B	13/00	341	B 25 B	7/04	112-114	B 23 B	3/22
6	B 21 K	5/02			7/46			17/00	342	B 25 B	7/12			5/04
7-9	B 21 K	5/14	3.35,3.36	B 67 B	7/00	57.37	B 25 B	17/00	343,344	B 25 B	7/04	115,116	B 23 B	3/02
10	B 21 K	11/10	3.37	B 67 B	7/62			23/02			7/12	117-123	B 23 B	3/00
11	B 21 K	5/16	3.39	B 67 B	7/00			23/04	345-355	B 25 B	7/12			7/00
12-23	B 23 D	73/00	3.4	B 67 B	7/14			23/06	356,357	B 25 B	7/04			9/00
24	B 23 D	73/04			7/18	57.38	B 25 B	17/00			7/12	124-127	B 23 B	13/00
25	B 23 D	63/00	3.41	B 67 B	7/14			29/02	358-364	B 25 B	7/12			17/00
26,27	B 23 D	63/18			7/15	57.39	B 25 B	13/46	365	B 25 B	7/04	128	B 23 B	3/22
28,29	B 23 D	65/02			7/18			17/00	366-384	B 25 B	7/12			5/04
30-36	B 23 D	63/08	3.42-3.44	B 67 B	7/14	57.4,57.41	B 25 B	17/00	385-414	B 25 B	7/04	129	B 23 B	3/34
37-45	B 23 D	63/12			7/18			29/00	415	B 25 B	7/02	130	B 23 B	5/00
46-48	B 23 D	63/08	3.45	B 67 B	7/00	57.42-57.46	B 25 B	13/00	416	B 25 B	7/06	131	B 23 B	3/00
49	B 23 D	63/06	3.47-3.49	B 67 B	7/04			17/00	417-427	B 25 B	7/02			7/00
50	B 23 D	63/12	3.5	B 25 B		57.5	B 25 B	17/00	427.5	B 25 B	7/00			9/00
51-57	B 23 D	63/06	3.55-3.57	B 67 B	7/16	58-59.1	B 25 B	13/00	429	B 25 B	23/00	132-141	B 23 B	21/00
58-62	B 23 D	63/04	3.6	B 25 B		60-63.2	B 25 B	13/46	430-435	B 25 B	23/04	142-147	B 23 B	19/02
63,64	B 23 D	63/02	3.7	B 23 P	17/00	64-70	B 25 B	13/52			23/06	148	B 23 B	23/00
65-73	B 23 D	63/04	3.8	B 25 B	27/14	73	B 25 B	13/00			13/48	149	B 23 B	17/00
74-80	B 23 D	63/00	4	B 25 B	9/00	74-76	B 25 B	13/48	436	B 25 B	15/00	150,151	B 23 B	23/04
81-81.8	B 24 D	15/00	6	G 04 D	3/00	77	B 25 B	13/10			23/00	152-156	B 23 B	3/36
82	B 21 K	5/12	7	B 23 P	5/00	90.1,90.2	B 25 B	13/28	437	B 25 F	1/00	157-161	B 23 B	29/00
		11/00		G 04 D	3/04	90.3-90.7	B 25 B	13/00	438-440	B 25 B	23/00	162-164	B 23 B	25/00
82.1	B 21 K	19/00	7.5	G 04 D	3/00	90.8-104	B 25 B	13/28	441-449	B 25 B	23/08	165-167	B 23 B	33/00
82.2	B 21 D	53/04	8	B 23 P	5/00	105	B 25 B	13/30			23/10	168,169	B 23 B	25/00
	B 21 K	11/06		G 04 D	3/04	106	B 25 B	13/28	450	B 25 B	23/00	170	B 23 B	23/02
83	B 21 K	17/00	8.1	B 25 B		107,108	B 25 B	13/30	451-458	B 25 B	23/08			23/04
84	B 21 K	11/02	9.2	B 41 B	1/00	109-112	B 25 B	13/28			23/10	171-173	B 23 B	3/00
85-87	B 21 H	1/02	9.21	B 43 M	17/00	113,114	B 25 B	13/30	459-462	B 25 B	23/00	900-905	B 23 B	5/00
	B 21 K	19/00	9.22	B 43 K	5/00			13/32	463-466	B 25 B	19/00			
88,89	B 21 K	5/12	9.24	B 25 B	13/48	115,116	B 25 B	13/32			21/00			
89.1	B 21 K	11/00	9.26	B 25 B	3/00	117	B 25 B	13/28	467	B 25 B	23/14			
89.2	B 21 K	5/12	9.3	B 25 B	27/10	118	B 25 B	13/30	468	B 25 B	23/145			
		11/00	9.4-9.51	H 02 G	1/12	119	B 25 B	13/02	469,470	B 25 B	23/151			
101	B 21 K	21/00	10	B 25 B	27/00	120	B 25 B	13/04	471	B 25 B	23/153			
102	B 21 K	5/02	13	B 25 B	9/00	121.1	B 25 B	13/06	472	B 25 B	23/155			
103	B 21 H	7/06	15.2	B 29 C	73/08	122,123	B 25 B	13/06	473-476	B 25 B	23/157	13	B 26 D	1/00
	B 21 K	11/10	15.3	B 60 C	25/14			13/48	477	B 25 B	23/159			3/00
104	B 21 K	11/00	15.4-15.7	B 29 C	73/08			3/00	478	B 25 B	23/142	14	B 26 D	7/08
105	B 21 D	53/62	15.8	B 60 C	27/06	124.1	B 25 B	13/02			23/159	15,16	B 26 D	7/10
	B 21 K	11/04	15.9	B 25 B		124.2-124.7	B 25 B	13/00	479	B 25 B	23/144	17-21	B 26 D	7/14
106	B 21 K	21/00	16	B 25 B	13/44	125	B 25 B	13/02			23/159	22	B 26 D	7/08
107	B 21 K	5/20	19	B 25 D		125.1	B 25 B	13/00	480-483	B 25 B	23/159	23-29	B 26 D	7/06
108	B 21 K	5/02			1/00	126,127	B 25 B	13/12	484-486	B 25 B	11/00	30	B 26 F	1/24
109	B 21 H	7/04	20	B 25 D	1/00	128	B 25 B	13/18			25/00	31-36	B 26 D	1/00
	B 21 K	11/00	21	B 25 D	1/00	129	B 25 B	13/12	487	B 25 H	3/00			3/00
110	B 21 K	13/00			1/10	129.5-149	B 25 B	13/22	488	B 25 B		37,38	B 23 D	25/02
111	B 21 H	7/08	22	B 25 D	1/00	150,151	B 25 B	13/12	489	B 25 G	1/01			1/56
	B 21 K	11/14			1/12			13/34	490	B 25 G	1/08	39-56	B 26 D	3/00
112	B 23 D	63/00	23	B 25 D	1/00	152-154	B 25 B	13/12	491	B 25 G	3/00	57,58	B 26 D	5/00
113	B 21 D	53/66	24	B 25 D	1/00	155-176	B 25 B	13/16	492	B 25 G	1/00	59	B 26 D	5/10
	B 21 H	7/02			1/06	176.1,176.15	B 25 B	13/48				60-62	B 26 D	5/00
	B 21 K	11/12	25	B 25 D	1/02			13/56				62.1	B 27 B	3/28
114	B 21 K	5/16	26	B 25 D	1/00	176.2	B 25 B	13/48						13/00
					1/14	176.3	B 25 B	13/10				63	B 26 D	5/20
			27	B 25 D	1/00			13/56						5/40
					1/16	177.1	B 25 B	23/16				64-67	B 26 D	5/20
U.S. Class 79			28	B 25 G	3/02			1/00				68	B 26 D	5/10
BUTTON MAKING			29-33	B 25 G	3/18	177.2	B 25 B	23/16	1.11	B 23 B	3/00	69,70	B 26 D	5/00
			34-37	B 25 G	3/02			1/04	1.12	B 23 B	17/00	71	B 26 D	5/30
1,2	A 44 B	1/06	44	B 25 C	3/00	177.3	B 25 B	23/16	1.2	B 23 B	41/00	72-75	B 23 Q	15/00
3	A 44 B	1/00	45	E 04 D	15/00			1/00	1.3	B 23 B	41/04			5/00
	B 21 D	53/48	46	E 04 F	15/00	177.4	B 25 B	23/16	1.4,1.5	B 23 B	41/06	76	B 26 D	5/20
4,5	D 04 D	7/04	52	B 25 B	13/00			1/08	11-12	B 23 B	3/28			5/40
6-10	B 29 D	19/04			21/00	177.5	B 25 G	23/16	13	B 23 B	3/22	77	B 26 D	7/00
11,14	B 29 D	19/08	53.1	B 25 B	23/16			1/00	15,16	B 23 B	3/28	78-92	B 26 D	7/06
15,16	B 29 D	19/04	53.11,53.12	H 01 K	3/32	177.6	B 25 B	23/16	17	B 23 B	3/36	92.1	B 23 D	19/00
18	B 29 D	19/00	53.2	B 25 B	13/50			1/02	18,19	B 23 B	3/28			45/00
			54	B 25 B	13/00	177.7,177.75	B 25 B	23/16	46	B 23 B	5/14	93-102	B 26 D	7/06
					21/00			1/00	47	B 23 B	1/00	102.1	B 23 D	19/00
			55	B 25 B		177.8	B 25 B	23/16	48	B 23 B	7/00			45/00
U.S. Class 81			56,57	B 25 B	17/00	177.85	B 25 B	23/16	49-53	B 23 B	37/00			3/28
TOOLS			57.11-57.14	B 25 B	17/00			1/00	53.1	B 23 B	27/00			5/06
					21/00	177.9	B 25 B	23/16	54-58	B 23 B	3/06	103-155	B 26 D	7/06
2	B 25 F	1/00	57.15-57.21	B 25 B	17/00	178	B 25 B	13/10	59-102	B 23 B	3/04	155.1	B 23 Q	7/00
3.05	B 25 B	27/00	57.22,57.23	B 25 B	17/00	179	B 25 B	13/12			5/14			5/02
					23/02	180.1-185.1	B 25 B	13/58	103	B 23 B	5/00			13/00

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 83—Con.														
156-166	B 26 D	7/06	425.2-435	B 26 D	7/06	632	B 26 D	5/14	732,733	B 26 D	7/06	767	B 26 D	1/54
167	B 26 D	7/00	435.1	B 26 D	7/06	633-638	B 26 D	5/08		B 27 B	3/00		B 27 B	7/22
168,169	B 26 D	7/08		B 27 B	5/18	639	B 26 D	5/12	734	B 23 Q	3/16		B 27 B	21/00
170,171	B 26 D	7/10	435.2	B 26 D	7/06	640-647.5	B 26 D	5/08		B 26 D	5/20		B 27 B	27/06
174	B 26 D	7/08		B 27 B	3/28	648-650	B 26 D	7/00		B 27 B	3/28	768	B 27 B	3/00
174.1	B 23 D	19/00			13/00	651	B 26 D	1/00			29/02			19/02
		45/00	436-440	B 26 D	7/06	651.1	B 26 D	1/44	743	B 26 D	5/00	769-774	B 26 D	7/00
	B 26 D	7/12	440.1	B 23 D	19/00			7/20		B 27 B	5/00		B 27 B	11/00
175,176	B 26 D	7/14		B 26 D	1/14	652-657	B 26 F	1/46	744	B 26 D	5/00	775	B 27 B	11/00
177	B 26 F	3/00			7/06	658,659	B 26 F	7/20		B 27 B	11/00	776	B 27 B	19/12
178-195	B 23 D	21/14	440.2	B 26 D	7/06	660	B 26 D	1/46	745	B 26 D	5/00	777	B 27 B	19/10
196-200	B 26 D	1/00		B 27 B	3/28	661	B 26 D	1/00		B 27 B	3/00			19/12
200.1	B 26 D	1/48	441	B 26 D	7/06	662	B 26 D	1/12			5/18	778	B 27 B	11/00
202-210	B 26 D	5/20	441.1	B 26 D	7/06	663-672	B 23 D	35/00			17/00			19/12
211,212	B 26 D	5/28		B 27 B	11/02	673-676	B 26 D	1/12		B 23 D	7/00	779	B 27 B	11/00
212.1	B 26 D	1/38			13/10			1/12	746		19/00	780	B 26 D	7/06
		1/40	442-450	B 26 D	7/06	677,678	B 26 D	1/12		B 27 B	7/00		B 27 B	3/00
		1/42	451-465	B 26 D	7/02	679,680	B 26 D	1/14	747	B 27 B	3/00			19/10
		11/00	466	B 26 D	7/02	681,682	B 26 F	1/12		B 27 B	19/10			29/02
213-283	B 26 D	5/20			7/04	683	B 26 F	1/14	748	B 26 D	7/00	781	B 27 B	3/00
284	B 23 D	25/02	466.1	B 26 D	7/02	684-691	B 26 D	1/00		B 27 B	3/00			19/10
	B 26 D	1/56	467,468	B 26 D	7/01	692,693	B 26 D	1/00	749	B 26 D	7/00	782	B 27 B	5/00
285-298	B 23 D	25/00	469	B 23 D	19/00	694-701	B 23 D	19/00		B 27 B	3/28			19/02
	B 26 D	1/56		B 26 D	1/14	703	B 27 B	5/18			11/00			19/10
299-307	B 26 D	1/56	471	B 23 D	19/00		B 26 D	7/06	750	B 26 D	7/00	783	B 27 B	3/00
307.1,307.2	B 23 D	25/02			33/02	704	B 27 B	5/16		B 27 B	11/00			11/08
307.3	B 23 D	25/02	471.1	B 23 D	19/00			7/06			15/06	784	B 27 B	3/00
	B 26 D	1/56		B 26 D	1/14	705	B 27 B	5/02			19/10			19/10
308-314	B 23 D	25/02		B 27 B	5/00	706	B 26 D	7/06	751	B 23 D	19/00	785	B 27 B	19/10
	B 26 D	1/56	471.2,471.3	B 23 D	19/00		B 27 B	5/02			45/00	786	B 27 B	11/00
315-317	B 23 D	25/06		B 26 D	1/14	707	B 26 D	5/18		B 26 D	7/00	788,789	B 23 D	53/00
	B 26 D	1/56		B 27 B	5/00		B 27 B	7/06	752	B 26 D	7/00			55/00
318-320	B 23 D	25/04			5/18			29/04		B 27 B	11/00		B 27 B	13/00
	B 26 D	1/56	472-477	B 23 D	19/00	708	B 27 B	31/04	753	B 26 D	7/00	790	B 23 D	53/00
321-342	B 26 D	1/56			33/02			29/02		B 27 B	19/10			55/00
	B 23 D	25/12	477.1	B 23 D	19/00	709	B 26 D	7/06	754	B 23 D	45/00		B 27 B	13/00
343-348	B 26 D	1/56		B 26 D	1/14		B 27 B	29/02		B 26 D	7/00	792	B 26 D	1/46
349	B 23 D	25/02		B 27 B	5/00	710	B 26 D	31/02		B 27 B	3/00		B 27 B	15/02
	B 26 D	1/56	477.2	B 23 D	19/00		B 27 B	7/06			11/00	793	B 23 D	53/00
350,351	B 26 D	5/20		B 26 D	1/18	711	B 26 D	29/02	755	B 26 D	7/00			55/00
352	B 26 D	5/26		B 27 B	3/28			31/02		B 27 B	11/00		B 27 B	15/06
353-357	B 26 D	5/20			27/04	712	B 26 D	31/04			21/00	794	B 23 D	53/00
358	B 23 D	36/00	478-482	B 23 D	19/00		B 27 B	31/04	756	B 26 D	5/08			55/00
	B 26 D	5/00		B 26 D	1/14			7/00			7/00		B 27 B	5/00
359	B 26 D	5/08	483-490	B 23 D	19/00	713	B 26 D	7/06		B 27 B	11/00			13/00
360-369	B 26 D	5/00		B 26 D	1/18		B 27 B	31/02	757	B 23 D	45/00		B 23 D	15/06
370-372	B 26 D	5/38	491-494	B 23 D	19/00	714-716	B 26 D	31/04		B 26 D	7/00	795		53/00
373,374	B 26 D	5/00		B 26 D	1/14		B 27 B	7/06		B 27 B	3/00		B 27 B	55/00
375-390	B 26 D	5/42	495-504	B 23 D	19/04	717	B 26 D	7/06	758	B 26 D	7/00	796	B 26 D	17/00
391-400	B 26 D	5/00		B 26 D	1/24		B 27 B	7/06		B 27 B	11/00		B 27 B	1/46
401-403	B 26 D	7/06	505,506	B 23 D	19/04			29/04	759	B 02 C	11/04			3/28
403.1	B 26 D	5/00		B 26 D	1/22		B 23 D	19/00			21/00			13/04
	B 27 B	5/18	507	B 23 D	19/04			45/00			11/04			15/02
		19/12		B 26 D	1/24	718-720	B 26 D	1/44	760		23/02	797	B 26 D	17/00
		25/02	508	B 23 D	19/02		B 27 B	7/06		B 26 D	7/00		B 27 B	1/46
		29/04		B 26 D	1/20			31/04		B 27 B	11/00			13/00
404	B 26 D	7/06	508.1,508.2	B 23 D	19/00		B 23 D	19/00		B 26 D	7/00			13/04
404.1,404.2	B 26 D	5/00		B 26 D	1/14			45/00		B 27 B	11/00			15/02
	B 27 B	5/00		B 27 B	5/00	721	B 26 D	7/06	761	B 26 D	1/54	798	B 23 D	53/00
404.3	B 26 D	1/44	508.3	B 26 D	1/14		B 27 B	29/08			7/00			55/00
		7/20		B 27 B	5/00			1/46			7/22		B 26 D	1/46
404.4	B 26 D	5/00			5/34			7/06			11/00		B 27 B	15/02
	B 27 B	5/00	509-512	B 26 D	1/02		B 27 B	29/02		B 27 B	21/00			17/00
		25/02	513,514	B 26 D	11/00	722-727	B 26 D	29/08	762	B 26 D	1/54	799	B 23 D	53/00
405,406	B 26 D	7/06	515-518	B 26 D	9/00		B 27 B	7/06			7/22			55/00
406.1	B 26 D	1/44	519	B 26 D	11/00	728	B 26 D	7/06		B 27 B	11/00		B 26 D	1/46
		7/20	520,521	B 26 D	7/00		B 27 B	5/18			19/00		B 27 B	17/00
407-409	B 26 D	7/06	522	B 26 D	7/27			29/08			21/00	800	B 23 D	53/00
409.1	B 23 D	19/00			7/28	729	B 23 D	19/00	763	B 26 D	1/54			55/00
		45/00	523-581	B 26 D	5/08			45/00			7/22		B 26 D	1/46
	B 27 B	5/02	581.1	B 26 D	5/00		B 26 D	7/06	764	B 27 B	21/00		B 27 B	15/02
		5/18		B 27 B	19/10	730	B 23 D	19/00		B 26 D	1/54	801	B 23 D	53/00
		13/00	582-601	B 26 D	5/08			45/00			7/22			55/00
409.2	B 23 D	19/00	602	B 26 D	5/16		B 26 D	7/06		B 27 B	3/00		B 26 D	1/46
		45/00	603	B 26 D	5/08		B 27 B	5/18	765	B 26 D	1/54		B 27 B	17/00
	B 27 B	5/00	604	B 26 D	5/18			29/08			7/22	802	B 23 D	53/00
410-425	B 26 D	7/06	605-627	B 26 D	5/08			7/06		B 27 B	21/00			55/00
425.1	B 02 C	11/04	628	B 26 D	5/16	731	B 26 D	7/06	766	B 27 B	13/00		B 26 D	1/46
		23/02	629	B 26 D	5/08		B 27 B	3/00			21/00		B 27 B	13/00
	B 26 D	1/44	630	B 26 D	5/18			29/04						
		7/20	631	B 26 D	5/08									

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 83—Con.														
803	B 26 D	15/02	859	B 26 D	1/02	299	G 10 D	3/00		F 42 D	1/08			7/00
	B 27 B	13/00		B 26 D	1/00	300-303	G 10 D	3/12	23	F 42 B	33/02	4.05-4.5	F 41 A	5/00
804	B 26 D	1/50	860	B 27 B	3/00	304-306	G 10 D	3/14	24	F 42 B	33/00	5	F 41 F	3/08
		1/54		B 27 B	3/28	307-311	G 10 D	3/04			33/02			3/10
	B 27 B	15/08	861		13/00	312	G 10 D	3/14			35/02	6.5	F 42 C	17/00
805	B 26 D	1/46	862-865	B 26 D	3/00	313	G 10 D	3/00	25-31	F 42 B	33/02	7	F 41 F	
	B 27 B	13/00	866-868	B 26 F	11/00	314	G 10 D	3/06	32	F 42 B	33/04	8	F 41 F	1/00
		1/50		B 26 F	1/24	315-319	G 10 D	3/00	33	F 42 B	33/02	9-12	F 41 A	
		1/54	869	B 26 D	3/02	320-325	G 10 D	3/16	36-38	F 42 B	33/10		F 41 F	1/00
		1/58	870-874	B 26 D	3/00	326	G 10 D	3/08	39-41	F 42 B	33/12	13.1	F 41 A	
806	B 26 D	1/48		B 26 F	1/18	327	G 10 D	3/00	42,43	F 42 B	10/00		F 41 F	1/00
		1/50	875-878	B 26 D	3/06		G 10 G	5/00			12/00	14.05	F 41 A	21/00
		1/54	879-887	B 26 D	3/08	328	G 10 D	3/18			30/00	14.1	F 41 A	13/00
	B 27 B	13/00		B 31 B	1/25	329	G 10 D	3/00	44	F 42 B	5/26		F 41 A	21/00
		15/08	U.S. Class 84			330	G 10 D	7/00			33/00	14.2-16	F 41 A	21/00
807	B 26 D	1/46	MUSIC			331	G 10 B	1/00	45,46	F 42 B	39/00	17	F 41 A	3/00
		1/48				332-345	G 10 B	3/10	47	F 42 B	39/10		F 41 C	27/00
		1/50				346,347	G 10 B	3/16	48	F 42 B	33/06	18-26	F 41 A	3/00
808	B 23 D	53/00				348	G 10 B	3/08	49	F 42 B	33/00	27.11-28.2	F 41 A	19/00
		55/00				349,350	G 10 B	1/08	50			29-31	F 41 A	21/00
	B 26 D	1/46	1	G 10 D	1/00	351,352	G 10 B	3/14				33.01-33.5	F 41 A	9/00
	B 27 B	13/00	1.01	G 10 H	31/00	353	G 10 B	1/08	U.S. Class 87			34	F 41 A	9/61
809-811	B 26 D	13/14	1.02	G 10 F	1/00	354	G 10 B	3/02	TEXTILES, BRAIDING, NETTING AND				F 42 B	39/00
	B 27 B	13/14	1.03	G 10 H	3/00	355-358	G 10 B	3/00	LACE MAKING				F 42 B	39/08
		1/46	1.04-1.16	G 10 H	3/06	359-364	G 10 B	3/10	1	D 06 P	7/00	35.01,35.02	F 41 H	5/00
		1/50	1.17,1.18	G 10 H	1/02	365-371	G 10 B	3/16	2	D 04 C	1/02	36.01	F 41 H	5/02
812	B 26 D	13/00	1.19-1.21	G 10 H	1/06	372	G 10 B	3/18	3,4	D 04 C	1/00	36.02	F 41 H	5/18
	B 27 B	13/14	1.22,1.23	G 10 H	1/02	373	G 10 B	7/12			1/06	36.03	F 41 H	5/24
		1/46	1.24	G 10 H	3/03	374	G 10 D	7/00	5-11	D 04 C	1/00	36.05	F 41 H	5/08
813	B 26 D	13/00	1.25	G 10 H	1/22	375,376	G 10 D	7/06	12	D 04 G	3/32	36.06	F 41 H	5/12
	B 27 B	13/04	1.26,1.27	G 10 H	31/02	377-379	G 10 D	9/02	13	D 04 C	3/24	36.07	F 41 H	7/00
		1/46	1.28	G 10 F	1/16	380,381	G 10 D	7/08	14,15	D 04 C	3/28	36.08	F 41 H	7/02
814	B 26 D	53/00	2,3	G 10 F	1/20	382	G 10 D	9/00	16	D 04 C	3/32	36.09	F 41 H	5/14
	B 27 B	13/00	4,5	G 10 F	1/02	383	G 10 D	7/10	17	D 04 C	3/38	36.11	B 64 D	7/00
		15/02	6	G 10 F	1/22	384	G 10 D	7/02	18,19	D 04 C	3/24	36.12	B 63 G	9/00
		53/00	7	G 10 F	1/02	385	G 10 D	7/10	20-22	D 04 C	3/48	36.13	F 41 H	5/20
	B 23 D	53/00	8,9	G 10 F	1/04	386	G 10 D	9/06	23	D 06 P	7/00	36.14	F 41 H	5/26
	B 26 D	1/46	10,11	G 10 F	1/12	387,388	G 10 D	7/10	24-27	D 04 C	5/00	36.15	F 41 H	13/00
	B 27 B	13/00	12	G 10 F	1/02	389-394	G 10 D	13/08	28	D 04 C	3/08	36.16	F 41 H	11/02
815	B 23 D	53/00	13	G 10 F	1/12	395-397	G 10 D	13/02	29	D 04 C	3/12	36.17	F 41 H	11/00
		55/00	14,15	G 10 F	1/14	398,399	G 10 D	13/04	30	D 04 C	3/08	37.01	F 41 A	23/00
	B 26 D	1/46	16-82	G 10 F	1/12	400	G 10 D	13/02	31	D 04 C	3/48	37.02	F 41 H	11/02
	B 27 B	13/00	83-85	G 10 F	1/08	401	G 10 D	13/02	32-34	D 04 C	3/08	37.03,37.04	F 41 A	23/00
816	B 26 D	13/14	86	G 10 F	1/06	402-410	G 10 D	3/12	35	D 04 C	3/00	37.05	F 41 F	1/06
	B 27 B	13/00	87-92	G 10 F	3/00	411-418	G 10 D	3/00	36	D 04 C	3/34	37.06	F 41 A	23/00
		1/46	93-101	G 10 F	5/00	419	G 10 D	7/02	37,38	D 04 C	3/24	37.07	F 41 A	25/00
817-820	B 26 D	13/00	102-104	G 10 F	5/06	420-422.4	G 10 G	7/00	39,40	D 04 C	3/28	37.08	F 41 A	27/00
	B 27 B	13/00	105-114	G 10 F	5/04	423-451	G 10 G	7/00	41	D 04 C	3/06	37.09	F 41 A	23/00
		1/46	115-121	G 10 F	5/00	452	G 10 G	3/04	42	D 04 C	3/04		F 41 G	1/44
821	B 26 D	13/00	122-145	G 10 F	15/00	453	G 10 G	17/00	43	D 04 C	3/06	37.11	F 41 A	25/00
	B 27 B	11/02	146-166	G 10 F	1/00	454-457	G 10 G	15/06	44-48	D 04 C	3/04	37.12	F 41 A	27/00
		11/02	167-169	G 10 F	3/02	458-460	G 09 B	15/00	49	D 04 C	3/02	37.13	F 41 A	19/00
823	B 26 D	5/00	170,171	G 10 D	3/04	461	G 09 B	15/02	50,51	D 04 C	1/00	37.14	F 41 A	25/00
	B 27 B	3/00	172	G 10 C	3/06	462	G 09 B	15/08	52	D 04 C	7/00	37.15	F 41 H	1/00
		11/02	173	G 10 C	3/08	463	G 09 B	15/00				37.16	B 64 D	7/00
824	B 26 D	5/00	174-176	G 10 C	3/06	464	G 09 B	15/02	53	D 04 G	3/48	37.17	F 41 A	23/00
	B 27 B	11/02	177-183	G 10 C	3/06	465-469	G 09 B	15/00	54	D 04 C	3/14	37.18	B 64 D	7/00
825-828	B 26 D	17/00	184-186.2	G 10 C	3/10	470	G 09 B	15/02	55-57	D 04 C	7/00		F 41 A	19/05
	B 27 B	5/00	187	G 10 C	3/04	471-477	G 09 B	15/00	58-60	D 04 C	3/06	37.19-40.01	F 41 A	23/00
		11/02	188	G 10 C	3/00	478-482	G 09 B	15/00	61	D 04 C	3/36	40.02	F 41 A	23/00
		13/10	189-195	G 10 C	3/00	483.1	G 09 B	15/00	62				F 41 F	1/06
829	B 26 D	1/46	196-199	G 10 C	3/18	483.2	G 09 B	15/02				40.03	F 41 H	7/00
		5/00	200-208	G 10 C	3/26	484,485	G 09 B	15/00				40.04-40.16	F 41 A	23/00
	B 27 B	11/02	209-214	G 10 C	3/00	486-521	G 10 G	7/00				41.01	F 41 G	3/00
830-834	B 26 D	1/46	215-220	G 10 C	3/30	U.S. Class 86			U.S. Class 89			41.02	F 41 A	27/00
	B 27 B	33/02	221-224	G 10 C	3/18	AMMUNITION AND EXPLOSIVE-CHARGE			ORDNANCE				F 41 G	5/00
		33/14	225-233	G 10 C	3/20	MAKING			1.1-1.61	B 64 D	1/04	41.03	F 41 G	3/08
835	B 23 D	57/00	234	G 10 C	3/18	1.1	C 06 B	21/00		F 41 F	5/00	41.04	F 41 A	27/00
	B 27 B	13/02	235	G 10 C	1/00	10	F 42 B	3/00	1.7-1.706	F 41 A	1/08	41.05	F 41 G	5/06
		33/14	236-243	G 10 C	1/06			5/02			19/00	41.06	F 41 G	1/32
836	B 23 D	57/00	244-246	G 10 C	1/00	11,12	F 42 B	7/02	1.8	F 41 F	3/04	41.07	F 41 G	5/06
		59/00	247-255	G 10 C	1/08			33/00	1.801-1.805	F 41 A	9/00			5/08
	B 27 B	33/02	256,257	G 10 C	1/06	17	F 42 B	33/14		F 41 F	3/04	41.08	F 41 G	5/12
837	B 23 D	57/00	258	G 10 D	1/10	19	F 42 B	14/00	1.806-1.808	F 41 F	3/04	41.09	F 41 G	5/14
	B 27 B	33/12	263	G 10 D	1/02	20.1	F 42 B	4/00	1.809,1.81	F 41 F	3/00	41.11	F 41 G	3/10
		33/02	264-266	G 10 D	1/12	20.11-20.15	F 42 B	3/00			3/04	41.12	F 41 G	5/04
838,839	B 23 D	57/00	267	G 10 D	3/00	21	F 42 B	4/00	1.811,1.812	F 41 F	3/04	41.13	F 41 G	3/04
	B 27 B	33/02	268	G 10 D	3/02		F 42 D	1/08		F 42 C	14/00	41.14,41.15	F 41 G	5/20
840-845	B 23 D	57/00	269-273	G 10 D	3/04	22	F 42 B	3/10	1.813-1.818	F 41 F	3/04	41.16	F 41 G	5/02
	B 27 B	33/02	274-283	G 10 D	3/00			4/00		F 41 F	5/00	41.17-41.19	F 41 G	1/00
		33/12	284	G 10 D	3/04				1.819	F 41 F	5/00	41.21,41.22	F 41 G	5/18
846-855	B 23 D	57/00	285-289	G 10 D	3/00									
	B 27 B	33/02	290-293	G 10 D	3/00									
		1/02	294-296	G 10 D	3/00									
856,857	B 26 D	1/02	297	G 10 D	3/00									
858	B 02 C	11/04	298	G 10 D	3/04									

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 89—Con.			10	F 01 B	25/04	255,256	F 01 L	31/00		F 15 B		142	F 01 B	31/00
			11	F 01 B	29/04	257	F 01 L	31/18	472	F 01 B	13/04	143	F 01 B	29/00
42.01	F 41 A	25/00	12-15	F 01 L	29/06	258,259	F 01 L	31/00	473-490	F 01 B	1/00	144	F 01 B	31/08
42.02	F 41 A	23/00	16	F 01 B	25/02	260	F 01 L	31/02			3/00	145	F 01 B	23/00
			17	F 01 B	25/06	261	F 01 L	31/06			13/04	146,147	F 01 B	1/00
42.03-44.02	F 41 A	25/00	18	F 01 B	25/04	262	F 01 L	31/16	491-498	F 01 B	1/06	148	F 01 B	1/06
45	F 41 A	9/00	19-21	F 01 B	25/02	263	F 01 L	25/02			13/06	149	F 01 B	1/04
			22-27	F 15 B	15/22	264,265	F 01 L	9/00	499-507	F 01 B	3/00	150-152	F 01 B	7/00
46	F 42 B	9/00	28-33	F 15 B	13/04	266	F 01 C				13/04	153-160	F 01 B	31/10
			34	F 01 B	29/04	267,268	F 01 L	15/14	508-536	F 15 B	11/00	161,161.5	F 01 B	29/00
47	F 41 A	9/00	35-40	F 15 B	21/02	269	F 01 L	31/02			13/00	162-164	F 01 B	31/00
			41-45	F 15 B	15/26	270	F 01 L	33/02				165-168	F 16 J	15/18
			46	F 01 B	31/10			33/04				169.1-171.1	F 01 B	11/02
125	F 41 A	3/00	47-49	F 15 B	13/02	271-273	F 01 L	15/16	U.S. Class 92			172	F 16 J	1/00
	F 41 F	1/00	50	F 01 L	15/02	274	F 01 L	31/00	EXPANSIBLE CHAMBER DEVICES			173,174	F 01 B	31/00
126	F 41 F	1/10	51,52	F 15 B	13/02	275	F 01 L	25/08				175	F 16 J	1/00
127,128	F 41 A	27/00	53	F 02 N	7/00	276	F 01 L	17/00				176	F 01 B	31/08
	F 41 C	1/00	54	F 01 B	29/04	277	F 01 L	31/00	1	F 15 B	21/04	177	F 16 J	1/00
129.01,129.02	F 41 A	19/02	55	F 01 B	23/00	278	F 01 L	25/02	2	F 01 B	21/00	178	F 16 J	1/02
			56	F 01 C	21/12	279	F 01 L	31/00	3	F 04 B	17/00	179	F 16 J	1/14
130,131	F 41 A	19/02	61	F 01 B	13/00	280-289	F 01 L	25/02	5	F 01 B	25/26	181-185	F 01 B	31/00
			151	F 01 B	1/00	290-302	F 01 L	25/04			31/12	186	F 01 B	31/08
				F 04 B	19/14	303-320	F 01 L	25/02	6,7	F 01 B	31/00	187-191	F 16 J	1/14
132	F 41 A	1/00	152-156	F 01 B	1/00	321	F 01 B	7/18	8-12	F 15 B	15/22	192	F 16 J	9/00
	F 41 F	19/05	157,158	F 01 L	15/14	322	F 01 L	31/00	12.1	F 01 B	1/06	193-207	F 16 J	1/06
133	F 41 A		159-166	F 01 B	1/00	323	F 01 L	15/16			13/06	208-239	F 16 J	1/04
134-138	F 41 A		167,168	F 15 B	11/18	324	F 01 L	15/14	12.2	F 01 B	3/00	240-246	F 16 J	9/00
	F 41 C		169	F 01 B	7/20	325	F 01 L	21/02			13/04	247	F 16 J	9/08
	F 41 F		170	F 01 B	1/00	326	F 01 L	19/00	13	F 01 B	9/02	248-254	F 16 J	9/00
139-147	F 41 A	5/00		F 01 B	7/00	327	F 01 L	33/00			31/14	255-260	F 16 J	1/00
		9/01	171	F 01 B	25/04	328,329	F 01 L	15/18		F 15 B	15/24	261	F 02 F	7/00
		9/38		F 15 B	11/22	330-332	F 01 L	31/00	13.1	F 01 B	31/14			
	F 41 C	3/00	172	F 01 B	1/00	333	F 01 B	25/06		F 15 B	15/24			
		7/00	173	F 01 B	7/20	334	F 01 L	29/00	13.2	F 01 B	19/00			
148-179	F 41 A		174	F 01 B	1/08	335	F 01 L	15/14			31/14			
	F 41 C		176	F 01 B	15/00	336	F 01 B	25/06	13.3-13.8	F 15 B	15/24			
	F 41 F	3/00	177	F 01 C	9/00	337	F 01 L	31/08		F 01 B	31/14			
180	F 41 A		178	F 01 L	15/00	338	F 01 L	31/02	14	F 15 B	15/22			
181	F 41 A		179	F 01 L	33/04	339,340	F 01 C	9/00	15-28	F 15 B	15/26	1	F 24 F	13/00
	F 41 C		180	F 01 L	33/02	341-343	F 01 L	23/00	29	F 01 B	9/00	1.5	B 64 D	1/00
	F 41 F	3/00	181	F 01 B	7/04	344-347	F 01 L	31/02	30	F 16 J	1/00	2	B 60 H	1/34
182	F 41 A		182	F 01 L	15/00	348	F 01 L	31/00	31-33	F 01 B	3/00	2.01	B 60 H	1/00
183-186	F 41 A			F 01 L	33/00	349	F 01 L	31/18	34-47	F 01 B	19/00	2.02	E 04 H	14/00
	F 41 C		183	F 01 B	1/00	350,351	F 01 L	31/00		F 16 J	3/00	2.03	B 60 H	1/00
	F 41 F	3/00	184	F 01 L	21/02	352	F 01 L	31/18	48-50	F 01 B	19/00	2.04	A 47 C	7/74
187.01,187.02	F 41 A		185	F 01 L	15/00	353,354	F 01 L	31/00	51-53	F 01 B	7/20	2.05	B 60 H	1/00
188	F 41 A			F 01 L	33/00	355,356	F 15 B	9/02	54,55	F 01 B	13/00	2.06,2.07	B 60 H	1/10
	F 41 C		186	F 01 B	1/00	357	F 15 B	9/02	56,57	F 01 B	13/04	2.08	B 60 H	1/03
	F 41 F	3/00	187	F 01 L	31/00	358,359	F 15 B	13/16	58	F 01 B	13/06			
189	F 41 A		188-195	F 01 L	33/00	360	F 15 B	20/00	58.1	F 01 B	31/00	2.09,2.1	B 60 H	1/54
190	F 41 C			F 01 B	15/00	361,362	F 15 B	13/16	59	F 01 B	29/04	2.11	B 60 H	1/32
	F 41 F	5/00	196	F 01 B	13/00	363	F 15 B	9/03	60,60.5	F 01 B	31/14			
191.01,191.02	F 41 A		197	F 01 B	15/00	364-367	F 15 B	13/16	61	F 01 B	1/02	2.12,2.13	B 60 J	1/20
192	F 41 A		206-209	F 01 B	15/04	368-380	F 15 B	9/10	62,63	F 01 B	7/00	2.14,2.15	B 60 H	1/26
	F 41 C		210	F 01 B	15/06	381	F 15 B	9/12	64	F 01 B	21/02	2.16,2.17	B 60 H	1/28
	F 41 F	5/00	211-215	F 01 B	15/00	382-384	F 15 B	9/10	65	F 01 B	7/10	2.18,2.19	B 60 H	1/24
193	F 41 A		216	F 01 B	15/02	385-390	F 15 B	13/16	66	F 01 B	15/00	3-24	B 60 L	
194,195	F 41 A		217	F 01 B	15/00	391	F 15 B	13/10	67	F 01 C	9/00	25-28	B 60 J	1/20
	F 41 C		218	F 01 L	15/00	392	F 15 B	15/20	68	F 01 B	7/02	29-31	F 24 F	7/007
	F 41 F			F 01 L	21/00	393	F 15 B	21/10	69	F 01 B	7/02	31.5,31.6	F 24 F	13/00
196	F 41 A		219	F 01 L	31/00	394-396	F 15 B	15/22	70,71	F 01 B	3/00	33.1	F 24 F	7/007
	F 41 C		220	F 01 B	25/04	397,398	F 15 B	13/04	72	F 01 B	1/00	34	F 24 F	13/00
197-199	F 41 A		221	F 01 B	25/06	399-402	F 15 B	15/22	73,74	F 01 B	1/02	34.5	F 24 F	7/007
	F 41 C		222	F 01 L	21/04	403,404	F 15 B	13/04	75	F 01 B	7/02			
	F 41 F		223	F 01 C	9/00	405-409	F 15 B	15/22	76	F 01 B	1/00			
			224	F 01 L	15/12	410	F 15 B	13/04	77	F 01 B	29/00			
			225	F 01 L	25/04	411	F 15 B	15/17	78-83	F 15 B	21/04			
			226	F 01 L	21/04	412-432	F 15 B	11/08	84	F 16 J	1/10			
			227	F 01 L	21/02			13/04	85	F 01 B	11/02			
			228,229	F 01 L	21/04			13/04	86-87	F 01 B	31/00			
			230,231	F 01 B	1/00	433	F 15 B	11/10	88	F 01 B	29/00	34.6,35	F 24 F	13/00
			232-234	F 01 L	21/02	434	F 15 B	13/14	89-105	F 01 B	19/00	36	F 24 F	9/00
			235	F 01 B	7/18	435	F 15 B	11/04		F 16 J	3/00	37	F 24 F	7/00
1	F 01 B	25/26	236	F 01 L	15/00	436-441	F 15 B	11/08			31/00			
		31/12	237,238	F 01 L	15/14			13/04	106-111	F 01 B	3/00	38.1-38.3	F 24 F	7/00
2	F 15 B	11/15	239	F 01 L	15/00	442	F 01 B	3/00	112-115	F 01 B	3/00			
		13/00	240	F 01 L	25/02		F 15 B	11/08	116	F 16 J	1/10			
3	F 15 B	13/02	241,242	F 01 L	25/04			13/04	117	F 01 B	15/02			
4	F 15 B	21/04	243	F 01 L	21/02	443-458	F 15 B	11/08	118,119	F 01 B	15/04	38.4-38.8	F 24 F	7/00
5	F 15 B	21/00	244	F 01 L	15/14			13/04	120-125	F 01 C	9/00			
6	F 01 B	25/02	245	F 01 L	1/20	459	F 15 B	13/04	126,127	F 01 B	31/00			
6.5	F 01 B	1/00	246	F 01 L	15/14	460	F 15 B	17/02	128	F 01 B	29/00			
		3/00	247	F 01 L	31/00	461-470	F 15 B	11/08	129	F 16 J	1/10	38.9,39.1	F 24 F	7/007
		13/04	248	F 01 L	25/08			13/04	130-135	F 01 B	31/00			
7,8	F 01 B	25/02	249-253	F 01 L	31/00	471	F 01 B		136-140	F 01 B	9/00			
9	F 01 B	29/04	254	F 01 L	31/02		F 04 C		141	F 04 B	21/04	40.01	F 24 F	7/00

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 98—Con.														
		13/06	58	E 04 H	7/22			31/12		A 47 J	43/14	567	A 23 N	17/00
		7/00		E 04 F	17/02	337-344	A 23 L		502-508	A 23 N	1/00		A 47 J	17/00
40.02	F 24 F	13/065	59-61	F 23 L	17/02		A 47 J			A 47 J	43/14	568	A 23 N	5/00
		7/00	62,63	F 23 L	17/02	345-347	A 47 J	37/10	509	A 23 N	1/00		A 47 J	17/00
40.03	F 24 F	13/06	64-75	F 23 L	17/02	348-357	A 23 L			A 47 J	43/14	569	A 23 N	5/00
		7/00	76,77	F 23 L	17/06		A 47 J			B 26 D	1/00		A 47 J	43/00
40.04	F 24 F	7/00	78-86.5	F 23 L	17/02	358	H 05 B		510	A 23 N	1/00		B 07 B	1/00
		7/04	87	E 06 B	7/02	359-371	A 23 L	3/00		B 02 C	15/00			13/00
		13/08	88.1	E 06 B	7/02	372-377	A 47 J			B 26 D	1/00			15/00
40.05	F 24 F	7/00		E 06 B	7/02	378	H 05 B		511	A 23 N	1/00	570	A 23 N	5/00
		13/06	89-93	F 24 F	7/00	379-384	A 47 J			B 02 C	15/00		B 07 B	4/00
40.06	F 24 F	7/00	94.1,94.2	E 06 B	7/02	385-402	A 47 J	37/08		B 04 B	5/10			7/00
		11/02		F 24 F	7/013	403-418	A 47 J	37/12	512,513	A 23 N	1/00			9/00
40.07,40.08	F 24 F	3/056	95-98	E 06 B	7/02	419-421	A 47 J	37/04		B 02 C	15/00	571-575	A 23 N	5/00
		7/00	99.01	E 06 B	7/03	422-425	A 47 J	37/10		B 04 B	5/10		A 47 J	43/00
40.09	F 24 F	13/078		F 24 F	7/00	426-442	A 22 C	7/00	514	A 23 N	15/02	576	A 23 N	5/00
		3/056	99.1-100	E 06 B	7/02		A 23 P	1/00		A 47 J	23/00		A 47 J	43/00
		13/078	100.5	E 06 B	7/08	443	A 47 J	43/18	515	A 23 N	4/00	577-581	A 23 N	5/00
40.1	F 24 F	7/00		F 24 F	7/00	444-446	A 23 L	27/00	516,517	A 23 B	4/08		A 47 J	43/00
		13/068	101-114	F 24 F	13/00	447-450	A 47 J				4/12	582,583	A 23 N	5/00
40.11	F 24 F	7/00	115.1	F 24 F	11/00	450.1-450.5	A 21 C	9/04	518	B 02 B	1/04	584-591	A 23 N	7/00
		13/06			11/00	450.6-450.8	A 23 P	1/00			3/12		A 47 J	17/00
		13/08	115.2	B 05 C	15/00	451	A 21 C	9/06	519-523	B 02 B	1/04	592	A 23 N	7/08
40.12,40.13	F 24 F	7/00		F 24 F	7/00		A 23 C	3/07			1/06		A 47 J	17/00
		13/062	115.3	B 01 L	1/00	452	A 23 L	3/26			3/12	593	A 23 N	7/00
40.14,40.15	F 24 F	7/00		F 23 J	11/00			3/30	524	B 02 B	1/04	594-599	A 23 N	7/00
		13/072		F 24 F	7/00	453	A 01 J	3/32			3/14		A 47 J	17/16
40.16,40.17	F 24 F	7/00	115.4	F 24 F	11/00	454	A 23 C	1/00	525	B 02 B	1/04	600	B 02 B	3/00
		13/06			7/00	455	A 23 C	3/02			1/06	601-604	B 02 B	3/00
40.18	F 24 F	7/00	116	F 04 D	25/08	456	A 23 C	1/00			3/12		B 07 B	1/00
		13/06			25/14	457	A 01 J	11/00	526,527	B 02 C	11/08	605-607	B 02 B	3/00
40.19	F 24 F	7/04	117	F 23 L	13/00	458	A 01 J	17/00		B 02 B	3/12		B 07 B	1/06
		13/06	118	F 24 F	13/00	459	A 01 J	11/06			11/08	608	B 02 B	3/08
40.2-40.3	F 24 F	7/00	119,120	F 23 L	17/00	460	A 01 J	15/00	528	B 02 B	3/12		B 07 B	5/02
		13/062	121.1	F 24 F	13/08	461	A 01 J	11/00			5/02	609-611	B 02 B	1/06
41.1-41.3	F 24 F	7/00	121.2	F 24 F	13/14	462-464	A 01 J	11/00	529-531	B 02 C	11/08		B 02 B	3/00
		13/06			13/16	465	A 01 J	15/02		B 02 C	3/12	612-616	B 02 B	3/02
42.01	F 24 F	7/00	122	F 23 L	17/02	466	A 01 J	15/02	532,533	B 02 B	3/00	617-621	B 02 B	3/04
		13/08				467	A 01 J	15/04			3/08			3/02
42.02	F 24 F	7/007				468	A 01 J	15/06	534-536	B 02 C	3/12	622	B 02 B	3/02
		7/06				469	A 01 J	11/04		B 02 C	11/08	623	A 23 N	7/00
42.03	F 24 F	13/00				470-473	A 01 J	13/00	537	A 23 N	17/00	624,625	A 23 N	7/00
		7/007				474-482	A 23 B	15/14		A 47 J	23/00	626,627	A 47 J	17/16
		7/06	275	A 23 F	1/00			11/00	538	A 23 N	7/08	628-630	A 23 N	7/00
42.04-42.08	F 24 F	7/007	276	C 12 C		483	A 23 F	3/12		A 47 J	25/00		A 47 J	17/20
		7/06		C 12 F		484	A 23 L	3/00	539-541	A 23 N	7/08	631	A 23 N	7/00
42.09-42.12	F 24 F	13/00		C 12 G		485	A 47 J	31/00		A 47 J	17/00		A 47 J	17/00
		7/007	277	C 12 F		486	A 23 B	4/03	542	A 23 N	7/08	632-634	A 23 N	7/00
		7/02		C 12 G		487	A 23 B	4/04			17/00		A 47 J	17/00
		13/08	277.1,277.2	C 12 G		488	B 60 H	3/00		A 47 J	25/00	635,636	A 23 N	15/02
42.13	F 24 F	7/007		C 12 H	1/22	489-493	A 23 C	3/02	543	A 23 N	7/08			15/04
		7/02		C 12 C				15/04		A 47 J	17/00		A 47 J	21/00
		7/06	279-322	A 23 F		494	A 23 B	4/02			27/00	637-643	A 23 N	15/02
42.14	E 04 D	13/03	323	A 47 J	31/00	495	A 23 B	5/00	544	B 26 D	11/00		A 47 J	21/00
		13/16		A 47 G	19/14		A 23 L	25/00		A 23 N	7/08	644,645	A 23 N	15/00
		7/02	323.1	A 23 F	3/00	496	B 23 Q	15/00	545	A 47 J	25/00		A 47 J	43/00
42.15	F 24 F	7/00		A 23 L	2/26	497-499	A 23 L	25/00		A 23 N	3/00	646	A 23 P	1/00
		11/02		B 01 F	3/04		B 02 C	3/00		A 47 J	25/00			
42.16-42.19	F 24 F	7/00	323.11,323.12	A 23 F	3/00		B 08 B	3/00	546	B 26 D	11/00			
		13/08	323.2	A 23 F	3/00		B 02 C	25/00		A 23 N	15/02			
42.2-42.23	F 24 F	7/00		A 23 L	2/26		B 02 B	3/00			15/04			
		7/02	323.3	B 01 F	3/04		B 23 Q	15/00	547	A 47 J	21/00			
		13/00		A 23 F	3/00		A 23 B	4/02		A 23 N	4/12			
44	E 06 B	7/04			5/00		A 23 B	5/00	548	A 47 J	23/00			
45-48	E 04 F	17/04	323.4-323.9	A 23 L	1/18		A 23 N	1/00		A 23 N	3/04	1	B 65 B	13/00
	F 23 J	13/00	324-326	A 23 L			A 47 J	43/14			3/06	2,3	B 65 B	13/02
49	E 21 F			A 47 J	27/00		A 23 N	1/00	549-551	A 23 N	4/12	4	B 65 B	57/10
50	E 21 F	1/00	327,328	A 23 L			A 23 B	5/00			4/12	5	G 05 D	15/00
		3/00		A 47 J	27/62		A 23 J	1/09	552-556	A 23 N	4/12	6,7	B 65 B	63/04
51	A 47 J	47/00	329,330	A 23 L			A 23 N	1/00			4/22	8	B 65 B	13/00
52	A 01 F	25/00		A 47 J	27/00		A 47 J	43/14		A 47 J	25/00		A 01 F	15/14
		7/22	331-333	A 23 L		500	A 23 J	1/09	557-561	A 23 N	4/12	9	B 30 B	9/30
53	B 63 B	25/02		A 47 J	27/62		A 23 N	1/00		A 47 J	25/00	10	B 65 B	13/16
54,55	E 04 H	7/00	334,335	A 23 L			A 47 J	43/14	562-566	A 23 N	4/12	11	B 65 B	13/18
		7/22		A 47 J		501	A 23 J	1/00			4/24	12	B 65 B	27/06
56,57	A 01 F	25/00	336	A 47 J	29/02		A 23 N	1/00		A 47 J	25/00	13	B 65 B	13/10

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U.S.			IPC			U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 100—Con.																							
14	B 65 B	13/00	100	G 01 L																			
15,16	B 65 B	13/02	101	G 08 B																			
17	B 65 B	13/18		A 23 P	1/00	281	B 30 B	1/40	93.16	B 41 J	9/04	163-166	B 41 F	1/00									
18	B 65 B	13/02	102,103	B 30 B	15/00	282	B 30 B	1/10	93.17	B 41 J	1/16	167-169	B 41 F										
19	B 65 B	13/06	104-109	B 30 B	49/00	283	B 30 B	1/06			1/50	170	B 41 M	1/10									
20-22	B 65 B	13/08	110-116	B 30 B	9/02	284	B 30 B	1/00	93.18,93.19	B 41 J	1/22	171	B 41 F										
23	B 65 B	13/24	117	B 30 B	9/06	285	B 30 B	1/02	93.2	B 41 J	3/54	172	B 41 F	17/10									
24	B 65 B	13/04		B 30 B	9/12	286	B 30 B	1/10	93.21-93.23	B 41 J	1/32	173	B 41 F	3/42									
25	B 65 B	13/04		B 30 B	9/16	287	B 30 B	1/14	93.24	B 41 J	1/36			3/44									
		13/06		B 30 B	9/18	288	B 30 B	1/22			1/40			5/16									
26	B 65 B	13/04	118-120	B 30 B	9/24	289	B 30 B	1/18	93.25	B 41 J	1/40	174-185	B 41 F	5/16									
27,28	B 65 B	13/10	121	B 30 B	9/20	290	B 30 B	1/26	93.26	B 41 J	1/54			5/18									
29,30	B 65 B	13/24	122,123	B 30 B	9/06	291	B 30 B	1/40	93.27	B 41 J	1/22	186-192	B 41 F	3/42									
31	B 65 B	13/28	124	B 30 B	9/26	292	B 30 B	1/26	93.28	B 41 J	1/22			3/44									
32	B 65 B	13/22	125	B 30 B	9/02	293	B 30 B	1/02	93.29-93.34	B 41 J	9/00	193	B 41 F	1/00									
33	B 65 B	13/34	126	B 30 B	9/04	294	B 30 B	1/00			9/10	194,195	B 41 F	1/04									
34	B 65 B	13/18	127-129	B 30 B	9/06	295-297	B 30 B	15/06			9/24	196-199	B 41 F	1/08									
35	B 30 B	13/00	130	B 30 B	9/26	298	A 23 P	1/00			9/36	200	B 41 F	1/14									
36	A 01 J	25/12	131-135	B 30 B	9/02	299	B 30 B	12/00			9/38	201	B 41 F	13/52									
37	A 47 J	19/02			15/00				93.35,93.36	B 41 J	1/22	202	B 41 F	1/40									
		9/02	136	F 16 P	1/02						9/10			31/00									
38	B 30 B	15/34	137-139	B 30 B	7/00						1/08	203.1	B 41 F	1/40									
39,40	B 30 B	13/00	140-142	B 30 B	15/20						1/08			1/40									
41	B 30 B	11/22	143	B 30 B	7/02	2	B 41 F	1/07	93.37	B 41 J	1/08	204	B 41 F	1/40									
42	B 30 B	7/04	144	B 30 B		3.1-27	B 41 F	19/02	93.38	B 41 J	1/08			31/00									
43	B 30 B	15/26	145	B 30 B	3/00						1/58	204.1	B 41 F	1/40									
44	B 30 B	15/14	146	B 30 B	3/04						1/60			3/81									
		15/16	147-149	B 30 B	15/00	28-31	B 44 B	5/02	93.39,93.4	B 41 J	1/08	205-210	B 41 F	1/40									
45	B 30 B	15/30	150	B 30 B	3/02						1/58	211	B 41 M	1/14									
46	B 30 B	15/24	151,152	B 30 B	5/04	31.1	B 31 F	1/07	93.41-93.43	B 41 J	1/08	212	B 41 F	5/00									
47-50	B 30 B	15/14	153	B 30 B	3/00						1/60			7/00									
		15/16	154	B 30 B	5/04						1/16			13/00									
51	B 30 B	15/14	155	B 30 B	3/00	32	B 31 F	1/07			1/58	213	B 41 F	17/06									
52	B 30 B	15/16	156	B 30 B	3/02						1/60	214,215	B 41 F	11/00									
53	B 30 B	15/14	157	B 30 B	3/06	33	B 41 D	7/00			1/04	216	B 41 F	5/00									
		15/16	158-176	B 30 B	3/04	34	B 41 C	1/06	93.45,93.46	B 41 J	1/08	217,218	B 41 F	7/02									
		3/26	177,178	B 30 B	5/00	35-37	B 41 F	17/00			9/00	219-223	B 41 F	5/04									
54	B 65 B	7/28	179-193	B 30 B	1/00	38.1-40.1	B 41 F	17/08			94-102	B 41 J		13/02									
			194-202	B 30 B	7/02	41-44	B 41 F	17/00			103-108	B 41 J	27/00	224-227	B 41 F	13/56							
55	B 65 B	43/42	203-205	B 30 B	7/00	45	B 41 J				109-112	B 41 J	1/60	228	B 41 F	13/54							
56	B 67 B	3/22	206	B 30 B	7/02	46	B 41 J	3/44			113	B 41 L	15/00	229-231	B 41 F	5/02							
57	B 65 B	1/00	207	B 30 B	15/30	47	B 41 L	45/00			114	B 41 F	15/00	232-237	B 41 F	13/24							
58	B 67 B	1/08			15/32	48-51	B 41 L	47/06				B 41 L	13/00	238-241	B 41 F	13/64							
59	B 65 B	7/28	208,209	B 30 B	15/14	52,53	B 41 L	47/46			115	B 41 F	15/04	242	B 41 F	33/00							
60	B 67 B	3/28			15/16	54	B 41 L	45/08			116	B 41 L	13/04	243,244	B 41 F	31/00							
61-64	B 67 B	3/02	210	B 30 B	3/02	55-57	B 41 L	47/46			117	B 41 L	13/14	245	B 41 F	13/24							
65	A 01 F	25/16	211	B 30 B	5/02	58	B 41 L	47/24			118-120	B 41 L	13/00	246	B 41 F	21/00							
		3/04	212	B 30 B	5/04	59	B 41 L	47/46			121,122	B 41 L	13/08	247,248	B 41 F	13/24							
66	A 01 F	25/18	213	B 30 B	9/02	60,61	B 41 L	45/08			123,124	B 05 C	17/04	249	B 41 F	30/00							
67-69	B 65 G	3/04	214	B 30 B	1/00	62	B 41 L	47/02				B 41 L	13/18	250	B 41 F	3/00							
70	B 30 B	9/00			1/42	63-65	B 41 L	47/10					27/00	251,252	B 41 F	3/34							
71-73	B 30 B	15/30	215-217	B 30 B	15/30	66-70	B 41 J				125	B 41 L	27/26	253,254	B 41 F	3/44							
74	B 30 B	15/20	218	B 30 B	15/32						126-128.1	B 05 C	17/06	255-259	B 41 F	3/00							
75	B 30 B	15/30	219	B 30 B	15/10								17/08	260,261	B 41 F	3/20							
76,77	B 30 B	9/00	220	B 30 B	15/00	71	B 41 K	45/00				B 41 L	13/00	262-267	B 41 F	3/40							
		5/02	221-225	B 30 B	15/02	72-89	B 41 J				128.21	B 05 C	17/06	268	B 41 F	3/60							
78	B 30 B	9/28	226,227	B 30 B	1/00								17/08	269-274	B 41 F	3/04							
79	B 30 B	15/08	228	B 30 B	1/02	90	B 41 L	45/00			128.4	B 41 C	1/14	275,276	B 41 F	3/00							
80	B 30 B	9/00	229	B 30 B	15/06	91,92	B 41 L	47/46			129	B 41 M	1/12	277,278	B 41 F	3/14							
		5/02	230	B 30 B	1/00	93	B 41 J				130	B 41 F	7/00	279,280	B 41 F	3/00							
		5/04	231	B 30 B	1/18	93.01	B 41 J					B 41 L	7/00		B 65 H								
81,82	B 30 B	9/00	232	B 30 B	7/04								9/00	281	B 41 F	31/00							
83	B 30 B	3/00	233-237	B 30 B	7/00	93.02	B 41 J	9/42				11/00	282-286	B 41 F	3/58								
84	B 30 B	15/30	238-255	B 30 B	5/00	93.03	B 41 J	9/00			131,131.5	B 41 L		287	B 41 F	1/00							
85	B 30 B	9/00	256	B 30 B	15/00	93.04,93.05	B 41 J	3/00			132	B 41 L	9/10	288	B 41 F	1/08							
		15/00	257-259	B 30 B	5/00	93.06	B 41 J	19/00					11/08	289,290	B 41 F	1/10							
86	B 30 B	3/04	260	B 30 B	15/00			25/12			132.5	B 41 L	11/08	291-295	B 41 F	1/08							
87	B 30 B	5/04	261-264	B 30 B	5/00	93.07	B 41 J	3/24			133,134	B 41 L	11/06	296	B 41 F	1/20							
		9/00	265-268	B 30 B	1/00			3/44			134.5	B 41 L	11/02	297-315	B 41 F	1/04							
88	B 30 B	5/06	269	B 30 B	1/23			11/66			135-141	B 41 F		316-321	B 41 F	1/06							
		9/00			1/32	93.08	B 41 J	1/32		</													

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 101—Con.			477	B 41 F			F 42 C	19/08	352	F 42 B	4/14	446	F 42 B	8/00
	B 41 L	47/14	478	B 41 N	1/00	206	F 23 Q	7/02	353	F 42 B	4/16	447	F 42 B	5/16
	B 41 F	1/38	479	B 41 F		207,208	F 42 C	21/00	354	F 42 B	4/00			8/00
336	B 41 K	27/00		B 41 L		209	F 42 C	11/04	355	F 42 B	4/00	448	F 42 B	7/02
	B 41 L	31/16	480	B 41 F	1/34	210	F 42 C	11/02	356-360	F 42 B	4/18			7/04
	B 41 F	1/48		B 41 L	5/16	211	F 42 C	13/00	361	F 42 B	4/04	449	F 42 B	7/00
337	B 41 F	31/00			15/14	212	F 42 C	13/08	362	F 42 B	23/00	450,451	F 42 B	7/08
338-347	B 41 F	1/40			49/00	213	F 42 C	13/02	363	F 42 B	12/46	452	F 42 B	7/02
348	B 41 F	1/46	481	B 41 F	1/34	214	F 42 C	13/04	364,365	F 42 B	10/00	453	F 42 B	7/08
		31/14			3/08	215	F 23 Q	7/02			12/00	454,455	F 42 B	7/02
	B 41 L	27/16			21/12			21/00			12/44			7/04
349-358	B 41 F	31/00			21/14	216	F 42 C	19/06			30/00	456-458	F 42 B	7/02
359-362	B 41 F	31/14		B 41 L	1/02	217-220	F 23 Q	7/02	366	F 42 B	8/00	459	F 42 B	7/04
363	B 41 F	1/46			3/02			21/00			10/00	460	F 42 B	7/02
364-367	B 41 F	31/02	482	B 41 F	33/00		F 42 C	11/00			12/00	461	F 42 B	7/08
368	B 41 L	47/02		B 41 L	47/60	221	F 42 C	15/00			14/06	462,463	F 42 B	7/02
	B 41 M		483	B 41 C		222	F 42 C	15/34			30/00	464,465	F 42 B	5/26
369,370	B 41 L	47/02		B 41 M		223,224	F 42 C	15/32	367-370	F 42 B	12/46	466,467	F 42 B	5/30
371	B 41 K		484	B 41 F	1/54	225-227	F 42 C	15/18	371	F 42 B	30/14	468	F 42 B	5/28
372,373	B 41 F	17/00			1/66	228	F 42 C	15/00	372,373	F 42 B	15/00	469,470	F 42 B	5/26
374	B 41 F	13/46			33/00	229,230	F 42 C	15/18	374-381	F 42 B	15/10	471	F 42 B	5/32
375	B 41 F	13/10		B 41 L	5/12	231-236	F 42 C	15/26	382,383	F 42 B	25/00	472	F 42 B	5/08
376-378	B 41 F	13/10			39/00	237-246	F 42 C	15/22	384	F 42 B	10/00	473-476	F 42 B	10/00
		27/06			47/56	247-253	F 42 C	15/24	385	F 42 B	25/00			12/00
379-381	B 41 F		485	B 41 F	1/34	254-256	F 42 C	15/34	386-388	F 42 B	10/56			12/02
	B 41 K				21/12	257-261	F 42 C	15/20	389	F 42 B	25/00			12/08
	B 41 L				21/14	262-264	F 42 C	15/40	390-392	F 42 B	21/00			12/20
382.1-389.1	B 41 F	27/00		B 41 L	1/02	265	F 42 C	9/14	393	F 42 B	12/58			30/00
390-394	B 41 B	1/18	486	B 41 L	3/02	266	F 42 C	9/16	394	F 42 B	25/00	477-480	F 42 B	12/02
395	B 41 N	1/00			3/08	267-271	F 42 C	9/14	395	F 42 B	8/12			12/08
396,397	B 41 B	1/02	487	B 41 F	23/04	272	F 42 C	1/00	396,397	F 42 C		481	F 41 A	9/00
398,399	B 41 B	1/00	488	B 41 L	35/14	273	F 42 C	1/04	398	F 42 B	15/22	482	F 42 B	27/00
400	B 41 B	1/14	489	B 41 M		274,275	F 42 C	1/02	399	F 42 B	15/20	483-485	F 42 B	10/00
401	B 41 B	1/02	490	B 41 F	1/10	275.1	C 06 C	5/00			15/22			12/00
	B 41 N		491	B 41 F	31/00	275.11,275.12	C 06 C	5/06	400	F 42 B	8/00			30/00
401.1	B 41 C		492	B 41 F	1/16	275.2-275.5	C 06 C	5/00			10/00	486	F 42 B	27/08
	B 41 N	6/00			3/34			5/04			12/00	487,488	F 42 B	27/00
401.2	B 41 D				7/02	275.6	C 06 C	5/00			14/06	489	F 42 B	12/58
	B 41 N	11/00			9/01	275.7,275.8	C 06 C	5/04			30/00	490	F 42 B	12/20
401.3	B 41 L	38/00		B 41 L	17/08	275.9	C 06 C	7/00	401	F 42 B	22/00	491-497	F 42 B	12/22
	B 41 M	9/00			7/00	276	F 42 C	9/00			23/00			12/32
401.4	B 41 N	10/00	493	B 41 D		277	F 42 C	9/06	402	B 63 G	9/00	498	F 42 B	8/00
401.5	B 41 B	1/02	494	B 41 L		277.1	C 06 D	5/00		F 42 B	22/42	499,500	F 42 B	12/20
	B 41 B			B 41 M		277.2	C 06 D	5/00	403	F 42 B	7/02	501	F 42 B	5/24
401.6	B 41 B	5/00					F 42 C	9/10	404	F 42 B	23/00			8/00
402,403	B 41 B	1/04				281	C 06 C	7/00	405	F 42 B	22/44			10/00
404	B 41 B	1/20				282	F 42 B		406,407	F 42 B	22/00			12/00
405,406	B 41 K	1/56				283	C 06 B	45/00	408	F 42 B	22/22			14/06
407.1	B 41 F	1/28					C 06 D	5/00	409,410	F 42 B	22/24			15/00
		21/00						5/06	411	F 42 B	22/10			30/00
408	B 41 F	1/30				284-288	C 06 B	45/00	412	F 42 B	22/12	502,503	F 42 B	8/00
	B 41 L	21/06	200	C 06 C				45/12			22/14			10/00
409-412	B 41 F	1/30		F 42 C	19/00		C 06 D	5/00	413	F 42 B	22/12			12/00
		21/00	201	F 42 C	7/00	289-292	C 06 B	45/00	414	F 42 B	22/18			14/06
413-415.1	B 41 F	1/28	202	C 06 C	7/02		C 06 D	5/00	415	F 42 B	22/42			30/00
		21/10		F 23 Q	19/08			5/06	416	F 42 C		504	F 42 B	12/68
416.1-422	B 41 F	21/00		F 42 C	3/18	293	C 06 D		417,418	F 42 B	22/04	505	F 42 B	8/00
	B 41 L		202.1	F 42 B	15/00		F 42 B		419,420	F 42 B	22/38			10/00
423-425	B 41 F	35/00		F 42 C	3/10	301	F 42 B	3/00	421-423	F 42 B	22/02			12/00
450.1-452	B 41 F	41/00	202.11	F 42 B	11/00	302	F 42 C		424	F 42 B	22/02			14/06
	B 41 L	1/18		F 42 C	19/12	303	F 42 D	3/00		F 42 C				30/00
453	B 41 N	1/00			19/12	304	F 42 B	1/00	425-427	F 42 C	23/28	506	F 42 B	10/00
		3/00	202.12	F 42 B	3/10	305	F 42 B	1/02	428,429	F 42 B	3/00			12/00
		3/03		F 42 C	11/00	306-310	F 42 B	1/00	430	F 42 B	5/02			12/22
		3/04	202.13	F 42 B	19/12			10/00			7/02	507-510	F 42 B	30/00
		3/08		F 42 C	11/00	311-313	F 42 B	3/00			30/00			10/00
454-462	B 41 N	1/00			19/12	314-321	F 42 D	3/00	431-433	F 42 B	5/18	511	F 42 B	10/00
463.1-466	B 41 M	5/00	202.2-202.4	F 42 B	3/18	322	F 42 B	3/00	434,435	F 42 B	5/02			12/00
	B 41 N	3/00	202.5,202.6	F 42 B	3/10		F 42 C	19/00	436	F 42 B	5/16			14/00
467	B 41 M	5/00			3/12	323-330	F 42 B	3/00	437	F 42 B	5/05	512	F 42 B	5/02
		5/26		F 42 C	11/00	331-333	F 42 B	3/00	438	F 42 B	12/58			10/00
	B 41 N	3/00			19/12	334	F 42 D	3/00	439	F 42 B	10/00			12/00
468	B 41 M	5/00	202.7	F 42 B	3/10		C 06 D	3/00			12/00			12/46
469	B 41 M	5/00		F 42 C	11/00	335	F 42 B	12/48	440,441	F 42 B	5/02			12/54
		5/124			19/12	336	F 42 B	4/26			5/10	513	F 42 B	30/00
470-473	B 41 M	5/00	202.8	F 42 B	3/14	337-340	F 42 B	4/28			5/18			10/00
474,475	B 41 F	1/28		F 42 C	11/00	341-346	F 42 B	4/26	442	F 42 B	5/24			12/38
		21/00	202.9	F 42 C	19/12	347	F 42 B	4/06	443	F 42 B	5/16			12/40
476	B 41 F		204	C 06 C	7/00	348	F 42 B	4/08	444	F 42 B	8/00			30/00
	B 41 L			F 42 C	19/10			4/12	445	F 42 B	12/00	514-519	F 42 B	10/00
			205	C 06 C	9/00	349-351	F 42 B	4/06			30/10			12/00

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AMMUNITION AND EXPLOSIVES

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 102—Con.			106-111	E 01 B	25/22	298-305	B 60 L	15/00	358-362	B 61 D	5/00			5/14
			112-117	B 61 B	7/00	306	B 60 B	17/00	363	B 61 D	17/00			5/16
				E 01 B	25/14		B 61 B	12/00	364	B 61 D	11/00			101/00
520	F 42 B	30/00			25/16	307	B 61 B	12/00	365	B 61 B	13/00			201/00
		14/00	117.1	B 61 B	7/06					B 61 D	15/00	17	C 09 D	4/00
521-523	F 42 B	14/06	118-121	B 61 B	13/04				370-372	B 61 D	3/06			5/14
524-528	F 42 B	14/00		E 01 B	25/08				373	B 61 D	3/02			5/16
529	F 42 B	8/00	122	B 61 B	3/00				374	B 61 D	45/00			5/18
530,531	C 06 D	5/00		B 61 D	47/00				375	B 61 D	3/00			101/00
532	F 42 B	7/08	123,124	B 61 B	12/04						17/10			201/00
				E 01 B	25/14	U.S. Class 105					39/00	18	C 09 D	5/14
					25/16	RAILWAY ROLLING STOCK					17/00			5/16
					25/22	1.1-7	B 61 D	17/00	377	B 61 D	39/00			5/18
						8.1-25	B 60 D	5/00	378,379	B 61 D	17/00			5/16
			125	E 01 B	25/00		B 61 D	17/20	380-392	B 61 D	3/08	18.11-18.36	C 09 D	5/16
				E 04 H	12/00	25.1	B 61 D	27/00	392.5	B 61 D	15/06			5/18
			126	E 01 B	23/00	25.2	B 61 C	17/00	393-395	B 61 D	3/00			11/00
					25/00	26.05	B 61 C	1/00			15/04	19	C 09 D	11/00
			127-129	B 61 B	3/00			17/00	396-421	B 61 D	17/00	20	C 09 D	13/00
2	E 01 B	29/02			5/00	26.1-34.2	B 61 C	11/00			25/00			11/02
3	E 01 B	33/02			15/00	35,36	B 61 C	13/00	422	B 61 D	17/10			11/16
4	E 01 B	29/02	130	E 01 B	25/06			3/00	423	B 61 D	17/18	21-23	C 09 D	11/00
5,6	E 01 B	29/05			25/12	37-48.3	B 61 C	7/04	424	B 61 D	17/00	24	C 09 D	11/04
					25/20	49-61	B 61 C	3/00	425-436	B 61 D	47/00	25,26	C 09 D	11/14
					25/26	61.5-66	B 61 C	5/00	437,438	B 61 D	19/00	27-29	C 09 D	11/06
7.1	E 01 B	27/17	130.1	B 61 B	13/08			7/00			23/00	30	C 09 D	11/08
		29/04		E 01 B	25/06	67-72	A 63 H	19/04	439-442	B 61 K	33/00	31	C 09 D	11/12
7.2	E 01 B	29/16			25/12		B 61 C	7/00		B 61 K	1/00	32	C 09 D	11/00
		27/17			25/20	72.1-85	B 61 C	11/00			13/00	32.5	C 09 K	3/00
		29/04			25/26			15/00	443-450	B 61 D	23/00	33	C 09 K	3/10
7.3	E 01 B	27/17	131,132	E 01 B	25/06	86-92	B 61 D	15/08		B 61 K	13/00	34,35	C 09 K	3/00
		29/04			25/20	93-95	B 61 C	9/00	451	B 61 D	27/00	36	C 09 K	3/14
8	E 01 B	27/17			25/26		B 61 D	15/08	452	B 61 D	17/00			3/18
		29/16			49/00	96-132.1	B 61 C	9/00	453	B 61 F	1/00	37,38	C 09 K	3/00
		33/00	133	B 61 D	19/00	133-140	B 61 C	1/00			5/00	38.2,38.22	B 28 B	7/36
9	E 01 B	29/06		B 61 F	21/00			7/00	454,455	B 61 D	3/00		C 04 B	35/68
10-14	E 01 B	27/00	134-136	A 63 G	13/00			17/00			15/00	38.23	B 28 B	7/36
15	E 01 B	11/44	137	B 61 B	13/10	141-147	B 61 B	13/04	456-461	B 61 C	17/04			7/38
		31/18	138.1,138.2	B 61 B	13/10		B 61 C	13/00		B 61 D	49/00		C 04 B	35/68
16	E 01 B	3/00	139	B 61 F	13/00	148-156	B 61 B	3/00		B 61 K	13/00		C 08 L	1/00
17.1	E 01 B	29/26	140-146	B 60 M	1/34			7/00	462	B 61 J	3/10			3/00
17.2	E 01 B	29/24		E 01 B	5/00			11/00	463.1	B 61 D				5/00
		29/32	154-164	B 60 M	13/00		B 61 C	13/00				38.24	B 28 B	7/36
18-21	B 61 K	1/00		B 61 B	9/00	157.1-181	B 61 D	1/00						7/38
22	A 63 G	1/00	165-171	B 61 B	13/00			15/00	U.S. Class 106					35/68
	B 61 D	15/00			7/00		B 61 F	1/00	COMPOSITIONS, COATING OR PLASTIC					91/00
	B 64 B	1/50	172.1-172.3	B 61 B	9/00	182.1-208.2	B 61 F	11/00	1.05-1.29	B 05 B				4/00
23.1	A 63 G	1/00			10/00			13/00		B 22 F	7/00	38.25	B 28 B	201/00
	B 61 D	15/00			12/00	209-217	B 61 F	5/00		C 09 D	5/00			7/36
	B 64 F	3/00		B 61 J	3/04			1/00			5/10			7/38
23.2	B 60 V	3/04	172.4	B 61 B	3/00			5/04		C 23 C	16/00		C 04 B	35/68
	B 65 G	7/06		B 61 J	3/04			7/00			18/00		C 08 L	91/00
24	B 60 K	6/00	172.5	B 61 B	12/00	218.1-225	B 61 F	13/00			20/00			95/00
		8/00	173.1	B 61 B	7/00			5/26			5/20		C 09 D	4/00
25	A 63 G	1/00			9/00	226-230	B 61 F	15/00	2	C 09 D	5/20			101/00
26.1	B 61 B	1/00			10/00			1/00		C 09 K	3/00	38.27	B 28 B	201/00
	B 61 J	3/02			12/00	231	B 61 C	5/16			3/18			7/36
26.2	B 61 K	7/02		B 61 J	3/04		B 61 D	17/00	3	C 08 H				7/38
27-31	B 61 B	1/00	173.2	B 61 B	11/00			5/00		C 09 D			C 04 B	35/68
	E 01 F	1/00	174-201	B 61 B	7/00			15/00		C 09 G		38.28	B 28 B	7/28
32.1	B 61 K	5/00			9/00		B 61 K	11/00		C 09 D	4/00			7/34
33	B 61 F	5/00			12/10	232-237	B 61 C	17/02	4		101/00		C 09 D	1/02
		7/00	202-239	B 61 B	12/12	238.1,238.2	B 61 D				201/00	38.3	B 28 B	7/28
34	B 60 D		240	B 61 B	7/00	239,240	B 61 D	3/00		C 09 F				7/34
	B 61 C			D 07 B				7/00		C 09 G			C 04 B	28/26
	B 61 K	11/00	241	A 62 B	35/00			9/00		C 09 F				35/68
35-43	B 60 S	13/02		B 61 K	13/00	241.1	B 61 D	5/00	5	C 09 G			C 09 D	1/02
	B 61 J	1/00	242-248	B 61 B	12/02			7/00		C 09 F		38.35	B 28 B	7/28
44	B 60 S	13/02		B 61 F	9/00			9/00	6	C 09 G				7/34
45-47	B 61 J	1/00		B 61 K	5/00	241.2	B 61 D	5/00	7	C 09 G	1/10		B 28 B	7/28
48-50	B 60 S	13/02	249-260	B 61 K	7/00			7/00		C 09 D	4/00	38.4		7/34
	B 61 J	1/10	261	B 61 F	11/00			9/14			101/00		C 04 B	35/68
		1/12	262-274	B 61 K	5/00	242-313	B 61 D	3/00		C 09 G	1/10		C 09 D	4/00
51,52	E 04 H	6/00	275-277	B 61 K	13/00			7/00	8,9	C 09 F				101/00
53-86	A 63 G	1/00		E 01 B	7/28	314-354	B 60 N	5/00		C 09 G		38.51	B 28 B	7/28
		7/00	279	B 61 F	19/06		B 61 D	1/00		C 09 F	1/08			7/34
		21/00	280	B 61 F	19/06			13/00	10	C 09 G			C 04 B	35/68
		29/00	281,282	B 60 L	13/04			17/00	11	C 09 F			C 08 L	1/00
87	B 61 B	15/00	283	B 60 L	13/10			37/00		C 09 G				3/00
88	B 61 J	3/00	284	B 60 L	13/06	355	B 61 D	3/00	12	C 09 G				5/00
	B 61 K	1/00	285-287	B 60 L	13/02			5/00	13	C 09 K	3/18		C 09 D	4/00
89-95	B 61 B	3/00		B 60 L	11/00			11/00	14.05-14.45	C 04 B	9/02			101/00
	E 01 B	25/22	288	B 60 L	13/00			15/00	14.5	C 09 K	3/00			201/00
96-105	B 61 B	3/00	289	B 60 L	15/00		B 61 D	17/00	15.05	C 09 D	5/14	38.6	B 28 B	7/28
		12/02	290-294	B 60 L	1/00				16	C 09 D	4/00			
		1/06	295	B 60 L	1/00									
	B 61 J	25/22	296,297	B 60 L	1/00									
	E 01 B													

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 106—Con.			109,110	C 04 B	11/00		C 09 D	4/00	178-181	C 08 L	1/08			101/00
		111	C 04 B	24/00				101/00		C 09 J	4/00			201/00
		7/34	112,113	C 04 B	24/14			201/00			101/00	214	C 08 J	3/00
	C 04 B	35/68	114	C 04 B	24/10	150	C 08 B	1/00			201/00		C 08 K	
	C 08 L	93/00	115	C 04 B	24/34		C 08 H	1/00	182-185	C 08 H	1/00		C 09 D	4/00
	C 09 D	4/00	116	C 04 B	26/26		C 08 L	89/00		C 08 L	1/08			101/00
		101/00	117	C 04 B	7/14		C 09 D	4/00		C 09 J	4/00			201/00
38.7	B 28 B	7/28	118-120	C 04 B	2/02			101/00			101/00		C 09 J	4/00
		7/34			7/34			201/00			201/00			101/00
	C 08 L	91/00	121	C 04 B	9/00	151	C 08 H	1/00	186-191	C 08 B		215-217	C 08 L	5/00
38.8	B 28 B	7/28	122	C 08 H			C 08 L	1/00		C 08 L	1/08		C 09 D	4/00
		7/34	123.1,123.2	C 08 L	97/02			89/00		C 09 J	4/00			101/00
	C 08 L	91/00	124	C 08 L	89/00		C 09 D	4/00			101/00			201/00
	C 09 D	95/00	125-128	C 09 D	4/00			101/00			201/00		C 09 J	4/00
		4/00			101/00	152	C 08 H	1/00		C 09 J	4/00			101/00
		101/00		C 09 J	4/00		C 08 L	89/00	192	C 08 K				201/00
38.9	B 28 B	7/28			101/00			91/00		C 09 J	4/00	218	C 08 L	89/00
		7/34			189/00		C 09 D	95/00	194	C 08 L	1/08			91/00
	C 09 D	1/00	129,130	C 09 D	4/00			101/00		C 09 J	4/00			93/00
74	C 04 B	12/04			101/00	153	C 08 K	201/00			201/00			95/00
		35/16			201/00		C 08 L	89/00	195	C 08 L	1/18		C 09 D	99/00
	C 09 D	1/02		C 09 J	189/00		C 09 D	4/00		C 09 J	4/00			4/00
	C 09 J	1/02	131,132	C 08 L	89/00			101/00			101/00			101/00
75	C 04 B	35/16		C 09 D	91/00			101/00			201/00			201/00
		38/00			4/00			101/00	196	C 08 L	1/12	219-229	C 08 L	91/00
	C 09 D	1/02			101/00	154.1	C 08 L	89/00		C 09 J	4/00		C 09 D	4/00
76	C 04 B	7/00			201/00	155	C 08 L	89/06			101/00			101/00
		28/26		C 09 J	189/00	156	C 08 L	89/06			201/00			201/00
		35/16	133	C 08 L	89/00			91/00	197.1	C 08 L	1/26	230,231	C 08 L	91/06
	C 09 D	1/02			93/00			95/00		C 09 J	4/00	232-235	C 08 L	93/00
77	C 04 B	28/14		C 09 D	4/00		C 09 D	4/00			101/00			95/00
		28/26			101/00			101/00			201/00	236	C 08 J	3/02
	C 09 D	1/02			201/00			101/00	197.2	C 09 J	4/00	237-239	C 08 J	3/02
78	C 09 D	1/02		C 09 J	189/00	157	C 08 H	1/00			101/00		C 08 L	93/00
		1/10	134	C 08 K			C 08 L	89/00			201/00		C 08 L	93/00
79	C 04 B	24/14		C 08 L	91/00		C 09 D	4/00	198	C 08 L	1/08	240-242	C 08 L	91/00
	C 09 D	1/04		C 09 D	95/00			101/00		C 09 J	4/00	243-263	C 08 L	91/00
		4/00			4/00			201/00			101/00		C 09 D	4/00
		101/00			101/00	158	C 08 L	1/00			101/00			101/00
		201/00			201/00			89/00	199	C 08 L	1/00	264	C 09 D	4/00
80	C 04 B	24/10		C 09 J	189/00		C 09 D	4/00		C 09 J	4/00			101/00
	C 09 D	1/02	135-137	C 08 K				101/00			101/00		C 09 F	7/00
		4/00	138	C 08 H	1/00	159	C 08 L	89/00	200	C 08 L	1/00	265-269	C 08 L	91/00
		101/00		C 08 L	89/00		C 09 D	91/00		C 09 D	4/00		C 09 D	4/00
81	C 04 B	24/34		C 09 D	101/00			101/00			101/00			101/00
	C 09 D	1/04			201/00		C 09 D	4/00		C 09 J	4/00			201/00
		4/00	139	C 08 H	1/00	160	C 08 H	1/00			101/00	270	C 08 L	91/06
		101/00		C 08 L	89/00		C 08 L	89/00	201,202	C 08 L	1/00		C 09 D	4/00
82	C 04 B	24/08		C 09 D	4/00			91/00		C 09 D	4/00			101/00
	C 09 D	1/04		C 09 J	4/00		C 09 D	95/00			101/00			201/00
		4/00			101/00			4/00			101/00	271	C 08 J	3/02
		101/00			201/00			101/00		C 09 J	4/00		C 08 L	91/06
		201/00	140,141	C 08 H	1/00			201/00			101/00		C 09 D	4/00
83	C 04 B	26/26		C 08 L	89/00	161	C 08 K				101/00			101/00
	C 08 L	91/00		C 09 D	4/00		C 08 L	89/00	203-204.1	C 08 L	1/00	272	C 08 L	91/06
		95/00			101/00		C 09 D	4/00		C 09 J	4/00	273.1	C 08 L	95/00
84	C 04 B	14/00			201/00			101/00			101/00		C 09 D	4/00
	C 09 D	1/02		C 09 J	4/00	162	C 08 L	1/00	205-207	C 08 L	5/00			101/00
		1/04			101/00			3/00		C 09 D	4/00			201/00
85-88	C 04 B	7/00	142,143	C 08 H	1/00			5/00			101/00	274-277	C 08 L	95/00
		9/00		C 08 L	89/00		C 09 J	4/00			101/00	278-280	C 08 J	
		11/00		C 09 D	4/00			101/00		C 09 J	4/00		C 08 K	
89	C 09 D	1/00			101/00			201/00			101/00		C 08 L	95/00
90	C 04 B	7/02			201/00	163.1	C 08 L	1/00			201/00		C 09 D	4/00
		24/00	144	C 08 L	89/00	164-166	C 08 L	1/24	208,209	C 08 L	5/00			101/00
		24/14		C 09 D	4/00		C 09 J	4/00		C 09 J	4/00			201/00
91	C 04 B	24/10			101/00			101/00			101/00	281.1-284	C 08 L	95/00
92	C 04 B	24/34			201/00			201/00			201/00	284.01-284.06	C 09 D	4/00
93,94	C 04 B	24/08	145	C 08 H	1/00	167,168	C 08 L	1/02	210-212	C 08 L	3/00			101/00
95	C 04 B	26/26		C 08 L	89/00		C 09 J	4/00		C 09 D	4/00			201/00
96	C 04 B	7/02		C 09 D	4/00			101/00			101/00	284.1-284.4	C 08 L	95/00
97-99	C 04 B	7/02			101/00			201/00			201/00		C 09 D	4/00
100-102	C 04 B	7/36			201/00	169-176	C 08 L	1/08		C 09 J	4/00			101/00
		7/02	146-148	C 08 H	1/00		C 09 J	4/00			101/00	285	C 09 D	4/00
103	C 04 B	7/14		C 08 K				101/00	213	C 08 J	3/02			101/00
		11/00		C 08 L	89/00			201/00		C 08 L	3/00			201/00
104	C 04 B	7/32		C 09 D	4/00	177	C 08 H			C 09 D	4/00	286.1-286.8	C 09 D	1/00
105	C 04 B	9/00			101/00		C 08 L	1/08			101/00	287.1-287.35	C 07 G	
106	C 04 B	9/02			201/00		C 09 J	4/00			201/00		C 08 H	
107	C 04 B	24/00	149	C 08 H	1/00			101/00			201/00		C 09 K	
108	C 04 B	24/34		C 08 L	89/00			201/00		C 09 J	4/00			

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 106—Con.			504	C 09 D	11/06		E 06 B	5/12	165,166	F 23 J	1/00						5/44
				C 11 C	3/00	28	E 05 G	1/00	167-169	F 23 J	1/02						7/00
310	C 09 F	9/00	505,506	C 08 K	5/00	29-34	E 05 G	1/00			1/06	260	F 23 C				1/02
311	C 08 K						G 08 B	15/02	170	F 23 J	1/06						1/04
312	C 09 D	5/00				35	E 05 G	1/00	171,172	F 23 J	1/02	261,262	F 23 C				1/10
313	C 04 B	35/00					G 08 B	13/22	173-178	F 23 M	7/00						1/12
	C 09 K	3/00				36,37	E 05 G	1/00	179	F 23 M	11/02	263	F 23 D				1/00
314	C 04 B	14/00					F 41 C	9/00	180	F 23 M	5/08	264	F 23 D				1/02
		16/00					G 08 B	15/00			7/04	265,266	F 23 D				1/00
		18/00					E 05 G	1/00	181	F 23 M	5/00	267	F 23 K				3/00
		22/00					G 08 B	13/00	182	F 23 M	5/08	268	F 23 K				3/08
		24/00					E 05 G	1/00	182.5,182.6	F 23 L	5/00	269	F 23 H				11/00
		26/00					G 08 B	13/14	184	F 23 J	11/00	270-272	F 23 H				11/10
		28/00					E 05 G	1/00	185	F 23 N	5/00	273	F 23 H				11/12
		28/00					G 08 B	19/00	186	F 23 N	5/18	274	F 23 H				11/00
315	C 04 B	12/04					E 05 G	1/00	187	F 23 N	5/00	275,276	F 23 K				3/18
		14/00					G 08 B	13/08	188,189	F 23 N	5/18	277	F 23 K				3/16
		16/00					E 05 G	1/00	190	F 23 N	5/02	278-280	F 23 H				7/10
		18/00					G 08 B	13/06	191	F 23 N	5/22						7/16
		22/00					E 05 G	1/00	192	F 23 N	5/20	281-283	F 23 H				7/08
		24/00					E 06 B	9/00			5/22						7/14
		24/08					E 05 G	1/00	193	F 23 N	5/24	284	F 23 H				7/14
		24/10					E 05 G	1/04	194	F 23 G	1/00	285	F 23 K				3/00
		24/14					E 05 G	1/00	195	B 21 J	19/00	286-288	F 23 K				3/10
		24/34					E 05 G	1/00	196,197	F 23 B	1/28	289-291	F 23 K				3/12
		26/00					E 05 G	1/024			1/38	292,293	F 23 K				3/00
		26/26					E 06 B	5/00			1/10	294	F 23 H				13/00
		28/00					E 06 B	5/10	198-202	F 23 J	15/00	295,296	F 23 B				1/12
		28/14					E 05 G	7/30	203	F 23 J	5/02	297	F 23 L				
		28/26					E 05 G	1/04	204-207	F 23 B	9/00	298-300	F 23 H				3/00
		38/00					E 05 G	1/026	208	F 23 B	5/04	301	F 23 L				
316	C 03 C						E 06 B	3/00	209	F 27 D	1/00	302-304	F 23 L				15/00
	C 08 H						E 05 G	1/026		F 23 B	1/14	305	F 23 L				15/00
	C 08 K						E 06 B	7/32			5/04						7/00
	C 09 K						E 06 B	7/00			1/00	306,307	F 23 L				15/00
400,401	C 04 B	14/00					E 05 D	15/56			1/00						15/00
402	C 09 B	63/00					E 06 B	3/50	210-214	F 23 B	5/00	308	F 23 L				15/00
403,404	C 09 C	1/62					E 06 B	3/34		F 23 C	9/00	309-313	F 23 L				13/00
405	C 04 B	14/00					E 06 B	3/36		F 23 G	7/06	314	F 23 L				9/00
		18/04					E 06 B	7/16	215	F 23 J	15/00	315	F 23 L				1/00
406,407	C 04 B	16/02					E 06 B	3/04	216	F 23 J	3/00	316	F 23 M				13/00
408	C 04 B	16/00					E 06 B	1/04	217	F 23 J	3/04	317	F 23 M				5/00
	C 08 K	5/16					E 04 B	2/00	218	F 23 K	1/00	318	F 23 M				5/06
409	C 04 B	16/08					E 04 C	2/00	219,220	F 23 G	5/02	319	F 23 M				3/14
	C 08 K	7/22					E 05 G	1/02	221	F 23 G	5/04	320	F 23 M				3/22
410-413	C 09 B	67/50					E 04 B	2/02	222,223	F 23 G	5/02	321	F 23 B				1/30
414	C 09 C	1/32					E 04 B	5/00	224,225	F 23 G	5/04		F 23 C				3/00
415,416	C 04 B						E 04 F	15/00	226	B 23 K	3/02		F 23 J				1/00
417	C 04 B	14/20								B 44 B	7/02	322-326	F 23 M				9/00
418	C 04 B									F 23 D	14/00	327	F 23 K				3/00
419,420	C 04 B	14/00								D 06 F	75/00	328	F 23 H				17/00
	C 09 C	1/04								F 23 G	5/12	329	F 23 H				11/18
421	C 09 C	1/06								D 06 F	75/00	330	F 23 H				11/20
422-431	C 04 B	14/00								F 23 B	1/14	331-335	F 23 M				5/06
	C 09 C	1/04								F 23 G	5/12	336	F 23 M				5/00
432	C 09 C	1/14								F 23 K	1/00	337	F 23 M				3/00
433	C 09 C	1/20								F 23 B	7/00						5/00
434,435	C 09 C	1/14								B 09 B	3/00	338-340	F 23 M				5/02
436-449	C 04 B									F 23 D	14/00	341-343	F 23 B				7/00
	C 09 C	1/36								F 23 G	5/00	344	F 23 J				3/00
450,451	C 08 K	3/00									5/12	345	F 23 J				11/00
452	C 09 C	1/10									5/44						15/00
453,454	C 09 C	1/34									7/00	346	F 23 G				
455	C 08 K	3/00									7/00	347	F 23 D				1/00
456-460	C 09 C	1/22									7/04	348	F 23 L				
461-471	C 09 C	1/02									3/00	349	F 23 B				7/00
472-478	C 09 C	1/44									5/00						
479,480	C 04 B	14/00									7/00						
481-492	C 04 B	14/04									9/00						
493,494	C 08 K	5/00									11/00						
495	C 09 B	48/00									5/00						
		67/52									7/00						
496	C 09 B	27/00									36/00						
497	C 09 B	48/00									36/24	7.1-7.4	A 01 C				23/02
498,499	C 08 K	5/00									5/00	8.9	A 01 C				7/00
500	C 09 D	4/00									7/00						15/00
		101/00									5/00						19/00
		201/00									5/10	11-13	A 01 C				7/08
											5/12						15/00
											5/00						19/00
											5/12	14-84	A 01 C				5/00
501	C 04 B										7/00						7/18
	C 08 L										5/08	89-91	A 01 C				5/00
	C 09 D	11/04									5/12	92-98	A 01 C				5/02
502	C 09 D	4/00									5/44	99	A 01 C				5/00
		101/00									5/00	100,101	A 01 C				11/00
		201/00									5/12		A 01 G				23/02
	C 10 C																
503	C 08 K	5/00															

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U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 111—Con.			80.05,80.06	D 05 C	15/06		D 05 C	9/04	217	D 05 B	27/00	323	D 05 B	27/02
			80.07,80.08	D 05 C	15/16			9/10	217.1,217.2	A 47 B	29/00	324	D 05 B	27/00
102-117	A 01 C	11/00			15/18	121.16,121.17	D 05 B	3/12		D 05 B	75/00	400	B 32 B	7/08
118-129	A 01 C	23/00			15/20	121.18	D 05 B	3/04	217.3-221	D 05 B	69/00		D 05 B	93/00
130-133	A 01 C	7/08	80.15	D 05 C	15/20	121.19	D 05 B	13/00	222	D 05 B	85/00	401,402	D 05 B	93/00
		17/00			15/22	121.2	D 05 B	3/00	223	D 05 B	85/04	403	B 32 B	7/08
134-138	A 01 B	49/04	80.16,80.17	D 05 C	15/20	121.21	D 05 B	15/02		D 05 B	85/14		D 05 B	93/00
	A 01 C	5/00	80.18	D 05 C	15/08	121.22	D 05 B	23/00	224	D 05 B	87/00	404	D 05 C	17/00
		13/00			15/18	121.23	D 05 B	11/00	225	D 05 B	53/00	405	B 32 B	7/08
139-148	A 01 B	49/04	80.23,80.24	D 05 C	15/26	121.24	D 05 B	3/00			55/00	406	A 41 F	1/00
149-169	A 01 C	5/00	80.3	D 05 C	15/08	121.25	D 05 B	1/00			87/00	407	A 41 F	1/00
170-188	A 01 C	7/00			15/14	121.26	D 05 B	21/00	226	D 05 B	55/02		A 44 B	13/00
		9/00	80.31	D 05 C	15/28	121.27	D 05 B	23/00	227	D 05 B	51/00	408	A 41 F	1/00
189	A 01 C	13/00	80.32,80.33	D 05 C	15/14	121.28	D 05 B	3/00			55/06		A 44 B	1/18
190-198	A 01 C	5/00	80.4	D 05 C	15/10	121.29	D 05 B	33/00	228-231	D 05 B	57/14	409	B 32 B	7/08
		13/00			15/12			81/00	232-234	D 05 B	57/10	410,411	D 05 C	17/02
199	A 01 C	7/00			15/20	122-122.2	D 05 B	37/00	235	D 05 B	29/00	412	D 05 B	93/00
200	A 01 C		80.41	D 05 C	15/30	122.3,122.4	D 05 B	37/08	236	D 05 B	29/00	413-417	B 32 B	7/08
			80.42	D 05 C	15/20	125-128	D 05 B	37/00			9/00		D 05 B	93/00
					15/32	129,130	D 05 B	37/04	237-239	D 05 B	29/00	418-428	B 32 B	7/08
			80.43	D 05 C	15/20	131	A 41 H	1/06	240	D 05 B	29/12	429	D 05 C	17/00
					15/34		D 05 B	35/00	241-248	D 05 B	49/00		D 05 C	17/00
			80.44	D 05 C	15/20	132-135	D 05 B	35/08	249	D 05 B	49/02	430	D 05 C	17/00
					15/26	136	D 05 B	35/00	250	D 05 B	49/00	431	A 41 F	1/02
			80.45	D 05 C	15/10	137,138	D 05 B	35/06	251	D 05 B	53/00		D 05 C	17/00
					15/12	139	D 05 B	35/00	254,255	D 05 B	47/00	432-436	D 05 C	17/00
1	D 05 B				15/22		D 05 C	7/08	256	D 05 B	71/00	437	A 41 F	1/02
2	D 05 B	23/00	80.5	D 05 C	15/26	140	D 05 B	35/00	257-260	D 05 B	75/00		D 05 C	17/00
2.1,2.2	D 05 B	11/00	80.51-80.53	D 05 C	15/22	141-143	D 05 B	35/02	261	D 05 B	83/00	438	D 05 B	93/00
4-9	D 05 B	23/00			15/26	144-146	D 05 B	35/08	262.1	D 05 B	1/00	439	D 05 C	17/00
10,11	D 05 B	13/00			15/32	147-149	D 05 B	35/00			97/00	440,441	B 32 B	7/08
12	D 05 B	23/00	80.54	D 05 C	15/22	150	D 05 B	29/00	262.2,262.3	D 05 B	1/00	443	D 05 B	3/02
13,14	D 05 B	23/00			15/32			35/00	263.1	D 05 B	23/00	444	D 05 B	3/02
		39/00	80.55	D 05 C	15/24	151	D 05 B	35/00	264.1	D 05 B	3/06			35/12
15	D 05 B	23/00	80.56	D 05 C	15/36	152,153	D 05 B	35/10	265.1,265.2	D 05 B	3/12	445	D 05 B	3/02
		35/10	80.57-80.59	D 05 C	15/24	154	D 05 B	1/00			3/14			19/00
		35/12			15/36	155	D 05 B	25/00			3/16	446	D 05 B	35/12
16	D 05 B	15/00			15/24	156	D 05 B	23/00			3/18			3/06
		23/00	80.6	D 05 C	15/16	157	D 05 B	3/04			3/20	447	D 05 B	3/08
		27/10	80.7	D 05 C	15/26	159	D 05 B	3/02			97/10			3/06
		27/18			15/26	160,161	D 05 B	3/04			97/12			19/00
17	D 05 B	67/00	80.71	D 05 C	15/26	162	D 05 B	1/20	266.1	D 05 C	3/00	448	D 05 B	21/00
18,19	D 05 B	27/00			15/34			57/06			5/00	449	D 05 B	3/06
		27/10	80.72,80.73	D 05 C	15/18			1/08			7/00			21/00
		27/18	81.82	D 05 B	9/00	163,164	D 05 B	1/06	266.2	D 05 C	15/00	450	D 05 B	3/02
20	D 05 B	23/00	83	D 05 C	3/04	165,166	D 05 B	1/06	267.1	D 05 B	1/24			5/00
		35/00	84	D 05 C	5/00			1/08	268.1	D 05 B	1/20	451	D 05 B	3/02
21	B 42 B	2/00	85.86	D 05 C	7/04	167	D 05 B	1/14			1/24	452	D 05 B	3/02
		2/02			3/04	168	D 05 B	1/00	269.1	D 05 B	1/20			55/10
22	B 42 B	2/00	87	D 05 C	3/04	169	D 05 B	23/00	270	B 65 H	59/00	453-458	D 05 B	3/02
		2/08	88	D 05 C	7/08	170,171	D 05 B	1/20		D 05 B	51/00			19/00
23,24	D 05 B	23/00			3/04	172	D 05 B	23/00			81/00			21/00
25,26	D 05 B	7/00	89-92	D 05 C	7/04	173-175	D 05 B	1/04	271-277	B 65 H	63/00	459,460	D 05 B	3/02
27	D 05 B	7/00			7/04	176	D 05 B	1/24		D 05 B	69/36	461	D 05 B	3/02
		27/00	93	D 05 C	11/00	177,178	D 05 B	1/24	278	D 05 B	51/00			27/00
28	D 05 B	15/00			3/04			57/06	279	B 65 H	54/18	462	D 05 B	3/02
29-40	D 05 B	15/02	94	D 05 C	3/04	179	D 05 B	1/00		D 05 B	59/00			3/04
41,42	D 05 B	15/02	95	D 05 C	3/04			47/00	280,281	D 05 B	71/00			27/22
		67/00			11/18	180	D 05 B	57/26	282	D 05 B	81/00	463	D 05 B	3/02
43	D 05 B	15/02	96	D 05 C	3/04	181-184	D 05 B	57/14	283,284	B 65 H	59/00	464	D 05 B	3/02
		71/00	97	D 05 C	3/04	185,186	D 05 B	57/10		D 05 B	51/00			27/22
44	D 05 B	15/06			11/08	187	D 05 B	61/00			81/00	465,466	D 05 B	3/02
45	D 05 B	15/02	98	D 05 C	3/02	188	D 05 B	57/10	285-301	D 05 B	65/00	467	D 05 B	3/02
46	D 05 B	15/06	99-101	D 05 C	3/02			57/16	302	B 65 H	57/00			57/00
47	D 05 B	15/00			7/08			57/18	303-309	D 05 B	27/00			
		27/26	102	D 05 C	3/02			57/20	310	D 05 B	27/00			
48,49	D 05 B	15/00			7/04	189-191	D 05 B	57/08			27/20			
		27/00	103	D 05 C	9/04	192,193	D 05 B	57/12	311	D 05 B	27/00			
50,51	D 05 B	15/00			3/12	194,195	D 05 B	57/08	312,313	D 05 B	27/08			
		35/10	104	D 05 B	3/18	196	D 05 B	57/16			27/16			
52	D 05 B	15/00	105-107	D 05 B	3/16			57/18	314	D 05 B	27/00			
		31/02	108,109	D 05 B	3/14			57/20	315,316	D 05 B	27/22	1	B 63 G	9/00
53-59	D 05 B	15/00	110-112	D 05 B	3/22	197	D 05 B	1/06	317	D 05 B	27/00	2,3	B 63 G	1/00
60,61	D 05 B	29/04	113	D 05 B	3/00			1/10	318	D 05 B	27/12	4-8	B 63 G	3/10
		15/00	114,115	D 05 B	33/00	198	D 05 B	1/06			27/14	9-13	B 63 G	9/04
62	D 05 B	39/00	116	D 05 B	23/00			1/10			27/16	14	B 63 G	9/00
		75/00	117	D 05 B	11/00			85/06			27/18	15	B 63 G	13/02
63,64	D 05 B	23/00	118,119	D 05 B	11/00	199,200	D 05 B	1/06			27/00	18,19	B 63 G	3/02
65-77	D 05 B	3/00			35/00			1/10	319	D 05 B	27/04			5/00
78	D 05 C	3/00	120	D 05 B	1/00			57/00	320	D 05 B	27/20	20.1-20.3	F 42 B	19/00
80.01	D 05 C	15/00			23/00	201	D 05 B	1/06	321	D 05 B	27/10	21.1-21.3	F 42 B	19/01
		15/04	121	D 05 B	23/00			57/04	322	D 05 B	27/12	22	F 42 B	19/00
80.02	D 05 C	15/02	121.11	D 05 B	19/00	202	D 05 B	1/06			27/14	23,24	F 42 B	19/01
80.03	D 05 C	15/06	121.12	D 05 B	21/00			1/10			27/16	25	F 42 B	19/04
80.04	D 05 C	15/06	121.13,121.14	D 05 B	3/00			57/02			27/18	26	B 63 B	35/28
		15/08	121.15	D 05 B	21/00									

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 114—Con.			189	B 63 B	29/02	305	B 63 B	21/36	28.1	G 01 D	3/00	206-209	G 01 D	21/00
27-38	B 63 B	35/30	190	B 63 C	9/22	306	B 63 B	21/38	29	B 61 L	5/12	210	B 64 B	1/40
39.1	B 63 B	35/00	191	B 63 B	29/12	307	B 63 B	21/44				211	G 08 B	1/00
39.2	B 63 B	35/79	192,193	B 63 B	29/10	308-310	B 63 B	21/38	30	B 61 L	15/00	212	G 01 L	5/00
	B 63 H	9/00	194,195	B 63 B	29/04	311	B 63 B	21/48	31	B 60 Q	1/42	213	G 03 B	17/00
40-42	B 63 B	35/08	197,198	B 63 B	13/00	312,313	B 63 G	8/00	32	B 60 Q	9/00	214	G 08 B	5/40
43	B 62 B	15/00	199	B 63 B	21/08	314	B 63 C	11/00	33	B 60 R	25/00	215	B 08 B	5/00
44	B 63 C	7/00	200	B 63 B	21/18	315	B 63 C	11/46		B 62 H	5/20	216-220	G 01 K	1/02
45-48	B 63 C	1/02	201	B 63 B	19/12	316-320	B 63 G	8/28	34	B 60 C	23/02	221	G 01 K	5/00
49-55	B 63 C	7/00	202	B 63 B	19/18	321	B 63 G	8/00			23/06	222-225	A 63 F	1/18
56-63	B 63 B	1/00	203	B 63 B	19/12	322-325	B 63 G	8/41	35,36	B 60 Q	1/26			7/22
65	B 63 B	3/00	204,205	B 63 H	9/10	326-329	B 63 G	8/40	37,38	B 60 Q	1/54	226	B 66 B	3/02
		5/00	210	B 63 J	21/22	330,331	B 63 G	8/14	39-56	B 60 Q	1/26	227	G 01 F	23/00
		9/06	211,212	F 16 G	11/00	332	B 63 G	8/18	57	B 60 Q	1/52	228	G 01 F	23/30
66	B 63 B	35/00	213-217	B 63 B	21/04	333	B 63 G	8/22	58-62	B 60 Q	5/00	229	G 01 F	23/32
67	B 63 B	1/34	218	B 63 B	59/02	334	B 63 G	8/36	62.1-62.4	G 01 P	5/00	230-233	B 23 Q	17/00
68,69	B 63 B	43/10	219,220	B 63 B	9/00	335,336	B 63 G	8/40	63	E 01 F	9/10	234-240	B 42 D	9/00
70	B 63 B	27/14	221	B 63 B	59/00	337,338	B 63 G	8/08	64	G 08 B	3/00	241-263	H 03 J	1/00
		35/00	222	B 25 B	25/00	339	B 63 G	8/06		B 66 B	19/06	264	G 01 F	15/00
71	B 63 B	29/02	223	B 63 B	9/00	340	B 63 G	8/38	67	G 08 B	3/00	265	G 01 P	5/00
		29/22	224	B 63 B	43/16	341,342	B 63 G	8/00			3/02	266	G 01 P	3/00
72	B 63 B	25/00	227-229	B 63 B	21/00	343	B 63 B	3/10	68	B 66 B	3/00	267-272	G 01 L	19/12
73	B 63 B	25/02	230,231	B 63 B	39/10	344	B 60 P	21/64			19/06	273-275	G 01 F	15/00
74-76	B 63 B	3/02	232-234	B 63 B	1/00		B 63 B	13/00	69	G 01 W	1/14	276	G 01 F	15/04
77	B 63 B	3/56	238,239	B 63 B	5/00	345	B 63 B	7/00	70	G 01 L	19/12	277	F 16 K	37/00
78	B 63 B	3/00		B 63 G	9/00	346	B 63 B	3/00	71-74	G 08 B	21/00	278	G 01 D	21/00
79-81	B 63 B	5/02	240	B 63 B	1/10	347	B 63 B	35/00	75	G 08 B	13/00	279	G 09 F	9/00
82	B 63 B	3/00	241	F 15 D	21/66		B 63 C	9/02	76	G 08 B	13/08		H 01 H	9/16
83	B 63 B	3/00	242	B 63 B	8/42	348	B 63 B	9/06	77-80	G 08 B	13/02	280	G 01 D	11/00
84-88	B 63 B	5/00	243	B 63 G	9/00	349,350	B 63 B	35/00	81	G 08 B	13/12	281-283	G 01 D	5/00
		15/00	244	B 63 B	8/14	351	B 63 B	7/04	82-84	G 08 B	13/02	284	G 01 D	13/00
89-101	B 63 B	9/10	245	B 63 B	8/22	352	B 63 B	7/00	85-97	G 08 B	13/08		G 09 F	9/00
102-115	B 63 H	9/04		B 63 H	25/00	353,354	B 63 B	3/00	98	G 08 B	13/14	285	G 01 D	11/00
116	B 63 B	19/00	246	B 63 B	21/56	355,356	B 63 B	5/24	99	G 08 B	21/00	286-288	G 01 D	11/28
		19/00	247,248	B 63 B	21/58	357	B 63 B	5/02	100	G 08 B	17/00	289,290	G 01 D	11/00
117-120	E 05 F	9/08	249,250	B 63 B	21/04	358	B 63 B	43/02	101,102	G 08 B	17/04	291	G 01 D	11/06
	B 63 B	43/06	251	B 63 B	21/06	359	B 63 B	17/00			17/04	292	G 01 D	13/10
121	B 63 B	43/08	252	B 63 B	21/16	360	B 63 B	17/02	103	G 08 B	23/00	293	G 01 D	13/26
		39/00	253	B 63 B	35/14	361	B 63 B	23/00	104-108	G 08 B	17/04	294,295	G 01 D	11/16
122	B 63 B	43/02	254	B 63 B	88/78	362-364	B 63 B	23/70	109	G 01 F	23/00	296	G 01 D	13/24
123	B 63 B	39/02	255	B 63 B	35/44	365	B 63 B	9/22	110,111	G 01 F	1/00	297	G 01 D	11/16
124	B 63 B	39/03	256,257	B 63 B	35/50	366	B 63 B	23/02	112,113	G 08 B	21/00	298	G 01 D	13/12
		43/08	258	B 63 B	3/00	367	B 63 B	23/04	137	B 06 B	3/00	299	G 01 D	13/08
125	B 63 B	39/03	259,260	B 63 B	3/00		B 63 C	23/18		G 10 K	5/00	300,301	G 01 D	13/22
		43/06	261,262	B 63 B	3/00	368-372	B 63 B	23/00			9/00	302	G 01 D	13/00
126	B 63 B	39/06	263	B 63 B	3/00	373	B 63 B	23/00	138	G 10 K	5/00	303	G 01 D	13/22
		43/04	264-267	B 63 B	3/00	374	B 63 B	23/00			9/10	304	G 01 D	11/00
127-139	B 63 B	3/38	268	B 63 B	35/00	375-378	B 63 B	23/00	139	G 10 K	5/00	305	G 01 D	11/24
		41/00	269	B 63 B	35/00	379	B 63 B	9/22			5/00	306-324	G 09 F	9/00
140	B 63 B	3/38	270	B 63 B	35/73		B 63 C	23/64			9/04	325,326	G 08 B	5/00
141	B 63 B	41/00		B 63 B	38/00	380	B 63 B	23/66			1/26	327-332	G 01 D	13/22
142	B 63 B	3/44	271	B 63 B	1/00	381	B 63 B		140,141	G 10 K	5/00	333	G 01 D	11/08
		39/06	272,273	B 63 B	1/16				142	G 10 K	9/00	334-337	G 01 D	13/02
143	B 63 B	41/00	274	B 63 B	1/24	U.S. Class 116			143-146	G 10 K	9/20	U.S. Class 118		
144	B 63 H	25/00		B 63 B	1/26	SIGNALS AND INDICATORS			147	G 10 K	7/00	COATING APPARATUS		
145	B 63 H	25/44	275-277	B 63 B	1/28	1	G 08 B	19/00	148	G 10 K	1/00	13	A 01 J	27/02
		25/48	278,279	B 63 B	1/24	2	G 08 B	7/00	149	G 10 K	1/36		A 21 C	9/04
146	B 63 H	21/26		B 63 B	1/26	3-5	G 08 B	15/00	150	G 10 K	1/26	14	A 23 G	3/20
147,148	B 63 H	25/42	280,281	B 63 B	1/30	6,7	G 08 B	45/00			1/38	15-17	A 23 G	3/28
149	B 63 H	25/52	282	B 63 B	1/20	8	E 05 B	13/06	151	G 10 K	1/068	18	A 21 C	9/04
150	B 63 H	25/22	283	B 63 B	1/22	9	G 08 B	15/00	152	G 10 K	1/06	19	A 23 G	3/26
151	B 63 H	25/46	284-287	B 63 B	1/32	10	E 05 B	45/00	153	G 10 K	1/067	20-23	A 23 G	3/20
152,153	B 63 H	25/00	288-291	B 63 B	1/00	11	G 08 B	15/02	154	G 10 K	1/064	24,25	B 05 C	5/00
154-159	B 63 H	25/08	292	B 63 B	21/24	12-14	G 08 B	15/00	155,156	G 10 K	1/10	26-30	A 23 G	3/24
160,161	B 63 H	25/10	293	B 63 B	21/24	15	G 08 B	15/00	157-161	G 10 K	1/064	31	B 05 C	3/00
162-169	B 63 H	25/06		B 63 B	21/24	16	G 08 B	15/02	162-165	B 62 J	3/00	31.5	B 41 K	1/00
170,171	B 63 H	25/34	294	B 63 B	21/24	17	G 08 B	15/00	166	G 10 K	1/32	32-47	B 05 C	11/00
172	B 63 H	25/00	295	B 63 B	21/26	18-25	G 08 B	9/00	167	G 10 K	1/10	50,50.1	C 23 C	14/00
173-178	B 63 B	19/00		B 63 B	21/28	26,27	B 63 B	45/04	168	G 10 K	1/32	52-56	B 05 C	11/02
179	B 63 B	21/14	296	B 63 B	21/27		F 21 Q	5/00	169	G 10 K	1/071			13/00
180	B 63 B	21/08	297	B 63 B	21/24		F 21 Q	5/00	170,171	G 10 K	1/34	57-70	B 05 C	11/00
		21/18	298	B 63 B	21/30		B 60 Q	11/00	172	G 10 K	1/30	71	B 05 C	13/02
181	B 63 B	21/14	299	B 63 B	21/46				173-175	G 09 F	17/00			13/00
182	B 63 B	19/26	300	B 63 B	21/30				200,201	G 01 D	11/00	72-78	B 05 C	11/02
183-185	B 63 B	13/00	301	B 63 B	21/32						13/00			13/02
		29/16		B 63 B	21/34									13/00
		4/00	302	B 63 B	21/30									13/02
186	B 63 B	29/16		B 63 B	21/32									11/02
187	B 63 B	15/00		B 63 B	21/34									13/00
		19/00	303	B 63 B	21/24									13/02
188	B 63 B	29/04	304	B 63 B	21/38									11/00

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 118—Con.			U.S. Class 119			U.S. Class 122			U.S. Class 123			U.S. Class 124		
			ANIMAL HUSBANDRY			LIQUID HEATERS AND VAPORIZERS								
79	G 03 B	27/66	645	G 03 G	15/06	1	F 22 B	33/00	191-193	F 22 B	5/00	344	F 22 B	21/04
100-126	B 05 C	11/02	647-652	G 03 G	15/10	2	B 09 B	3/00	194-207	F 22 B	5/02	345	F 22 B	31/00
200-255	B 05 C	1/00	653-656	G 03 G	15/06	3	F 22 B	33/00	208	F 22 B	37/12	346,347	F 22 B	21/00
256	B 05 C	1/06	657-658	G 03 G	15/09	4	B 09 B	3/00	209-232	F 22 B	23/00	348	F 22 B	21/04
257	B 05 C	1/14	659-662	G 03 G	15/10	5	F 22 B	13/06	233,234	F 22 B	25/00	349-352	F 22 B	11/02
258-262	B 05 C	1/06	663-714	B 05 C	11/00	6	F 22 B	3/00	235	F 22 B	5/00	353,354	F 22 B	21/00
263-271	B 05 C	1/08	715-733	C 23 C	16/00	7	B 09 B	3/00			15/00			31/00
300	B 05 B	7/00				8	F 22 B	13/06	236	F 22 B	37/10	355-359	F 22 B	21/24
	B 05 C	5/00				9	F 22 B	1/00			15/00			37/12
301	B 05 B	15/04				10	C 10 J	1/00	237-240	F 22 B	21/00	360-365	F 22 B	37/22
302	B 05 C	5/00				11	F 22 D	1/00	241	F 22 B	31/00	366	F 22 B	37/18
	B 05 B	7/16				12	F 22 B	13/00	242,243	F 22 B	5/02	367	F 22 B	23/06
	B 05 C	15/02				13-17	F 22 B	31/00	244-246	F 22 B	37/12			37/10
303,304	B 05 B	17/00				18,19	F 22 B	5/00	247,248	F 22 B	21/00			1/00
	B 05 C	5/00				20	F 22 B	31/00	249-251	F 22 B	37/10	368,369	F 22 B	13/00
305	B 05 B	13/02				21	F 22 B	5/00	252	F 22 B	21/00	370	F 22 B	13/00
	B 05 C	5/00				22	F 22 B	13/10	253-255	F 22 B	13/10			31/04
306	B 05 B	13/06				23	F 22 B	21/00	256,257	F 22 B	21/00	371-378	F 22 B	31/00
	B 05 C	5/00				24	F 22 B	17/00	258	F 22 B	37/10	379	F 22 B	3/04
307	B 05 B	13/02				25	F 22 B	17/00			17/00			1/00
	B 05 C	5/00				26	F 22 B	21/00	259	F 22 B	17/00			37/18
308,309	B 05 B	7/00				27,28	F 22 B	31/00	260	F 22 B	17/00			37/48
	B 05 C	19/00				29,30	F 22 B	13/00	261	F 22 B	21/26			15/00
310	B 05 B	7/26				31-34	F 22 B	1/02	262-264	F 22 B	21/28	383-386	F 22 B	37/48
	B 05 C	5/00				35	F 22 B	13/00	265	F 22 B	21/22	387	F 22 B	37/48
311	B 05 B	7/06				36	F 22 B	37/22	266	F 22 B	25/00			1/00
	B 05 C	5/00				37,38	F 22 B	1/14	267	F 22 B	25/00	388,389	F 22 B	9/00
312	B 05 B	7/00				39-41	F 22 B	33/02			15/00			37/48
	B 05 C	5/00				42,43	F 22 B	27/00	268	F 22 B	25/00	390	F 22 B	9/00
313-316	B 05 B	7/06				44-49	F 22 B	11/00			17/00			37/52
	B 05 C	5/00				50-52	F 22 B	9/00	269,270	F 22 B	25/00	391	F 22 B	9/08
317,318	B 05 B	13/06				53	F 22 B	9/12	271,272	F 22 B	21/00			37/52
	B 05 C	5/00				54-67	F 22 B	11/00			25/00	392	F 22 B	5/04
319	B 05 B	13/02				68-71	F 22 B	9/08	273,274	F 22 B	5/02	393	F 22 B	37/18
	B 05 C	5/00				72-74	F 22 B	9/12			21/36			37/48
320	B 05 B	13/04				75-78	F 22 B	11/00	275-278	F 22 B	21/30			1/00
	B 05 C	5/00				79-101	F 22 B	9/08	279	F 22 B	15/00	394	F 22 B	37/18
321,322	B 05 B	13/02				102-105	F 22 B	9/12			21/30			37/48
	B 05 C	5/00				106-109	F 22 B	9/12	280-283	F 22 B	21/30	395	F 22 B	37/48
323	B 05 B	3/00				110	F 22 B	9/08	284	F 22 B	21/04			1/12
	B 05 C	9/06				111,112	F 22 B	9/12	285,286	F 22 B	15/00	396	F 22 B	37/48
324,325	B 05 B	13/02				113	F 22 B	37/10			37/10			13/00
	B 05 C	5/00				114-120	F 22 B	31/04	287	F 22 B	31/04	397	F 22 B	37/18
326	B 05 B	1/28				121,122	F 22 B	31/00	288,289	F 22 B	31/00			37/48
	B 05 C	15/04				123-129	F 22 B	9/12	290,291	F 22 B	17/10	398	F 22 B	37/48
	B 05 B	15/12				130-134	F 22 B	9/08	292-303	F 22 B	17/10			5/00
400-403	B 05 C	3/00				135-137	F 22 B	11/00			31/00	399	F 22 B	37/50
404,405	B 05 C	3/02				138	F 22 B	9/02	304	F 22 B	31/04	400	F 22 B	37/48
406	B 05 C	3/00				139	F 22 B	9/06	305-309	F 22 B	5/02	401	F 22 B	37/48
407-415	B 05 C	3/02				140,141	F 22 B	9/02			7/04			9/00
416-418	B 05 C	3/00				142	F 22 B	11/00	311-314	F 22 B	5/02	402	F 22 B	37/48
419,420	B 05 C	3/12				143,144	F 22 B	7/00	315	F 22 B	5/02	403	F 22 B	37/48
421-429	B 05 C	3/00				145,146	F 22 B	31/02			17/00			1/00
	B 05 B	19/02				147	F 22 B	7/04	316	F 22 B	5/02	404	F 22 B	37/48
500-503	B 05 C	13/00				148	F 22 B	7/00			15/00			7/04
	B 05 B	13/02				149	F 22 B	7/04	317	F 22 B	5/02	405	F 22 B	37/48
504,505	B 05 C	11/11				150,151	F 22 B	7/12	318,319	F 22 B	5/02	406	F 22 B	7/00
506	B 05 C	11/00				152	F 22 B	7/06			21/00	407	F 22 B	1/00
	B 27 K	3/02				153,154	F 22 B	7/04	320	F 22 B	5/02			7/04
	B 03 F	7/16				155-163	F 22 B	7/04			21/00	408-411	F 22 B	7/00
600-612	B 05 C	11/00				164	F 22 B	7/04	321-323	F 22 B	21/00	412-414	F 22 B	1/00
620	B 05 B	5/025				165	F 22 B	7/04	324-329	F 22 B	21/22	415	F 22 B	5/00
	B 05 C	5/00				166-175	F 22 B	7/04			21/34			1/00
	B 05 B	9/08				176,177	F 22 B	7/04	330	F 22 B	21/22	417-419	F 22 B	1/02
621	B 05 B	5/025				178-180	F 22 B	7/16			31/04	420,421	F 22 B	1/40
	B 05 C	5/02				181	F 22 B	7/00	331	F 22 B	15/00	422	F 22 B	11/00
622	B 05 B	5/025				182	F 22 B	7/18	332,333	F 22 B	21/00	423,424	F 22 B	1/00
	B 05 C	5/12				183-186	F 22 B	7/04	334	F 22 B	21/00			1/40
	B 05 B	5/02				187	F 22 B	7/06			31/00	425	F 22 B	1/00
623-629	B 05 B	5/025				188,189	F 22 B	7/12	335-337	F 22 B	21/04	426-428	F 22 B	1/00
	B 05 C	5/02				190	F 22 B	7/04			31/00	429,430	F 22 B	37/54
630-638	B 05 B	5/025							338	F 22 B	21/04			1/00
639-643	B 05 B	5/00							339	F 22 B	21/04	431	F 22 B	37/18
644	B 05 B	5/025									31/00	432	F 22 B	1/00
	B 41 M	1/42							340	F 22 B	21/04	433	F 22 B	1/00
									341	F 22 B	11/00			37/18
											21/04	434	F 22 B	1/42
									342,343	F 22 B	21/04	435-438	F 22 B	1/00

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U.S. Class 122—Con.			41	F 01 L	13/02	64	F 02 B	75/02	90.62	F 01 L	1/14	281-285	F 02 B	19/16
					29/00	65	F 02 B	75/02			1/20	286-288	F 02 B	19/18
439	F 22 D	1/02		F 02 D	27/00		F 02 D	39/04			1/22	289	F 02 B	19/04
441	F 22 D	1/28	41.01	F 01 P	9/00	66	F 02 B	33/04	90.63	F 01 L	1/14	290	F 02 B	19/08
		1/32	41.02, 41.03	F 01 P	7/00	67	F 02 B	33/44			1/24	291	F 02 B	19/18
		1/40	41.04-41.07	F 01 P	7/02	68	F 02 B	33/00	90.64	F 01 L	1/14	292	F 02 B	19/02
442, 443	F 22 D	1/28	41.08-41.1	F 01 P	7/14	69	F 02 B	1/08	90.65	F 01 L	3/10	293	F 02 B	19/18
444	F 22 D	1/02	41.11-41.13	F 01 P	7/02	70	F 02 B	33/22		F 16 F	1/00	294	F 02 B	3/00
446	F 22 D	7/00	41.14	F 01 P	11/02	71	F 02 B	33/10			13/00		F 02 M	
447	F 22 B	37/46			11/20	72	F 02 B	33/20	90.66	F 16 F	13/00	295	F 02 B	17/00
448, 449	F 22 B	37/42	41.15	F 01 P	5/14	73	F 02 B	33/04	90.67	F 01 L	3/10	296	F 02 M	57/04
	F 22 D	5/00			11/14	74	F 02 B	33/12	142.5	F 02 N	17/02	297	F 02 M	57/06
450-456	F 22 D	5/26	41.16	F 01 L	3/14	76	F 02 B	25/00	143	F 02 P	23/00		F 02 P	23/02
457	F 22 D	1/12		F 02 F	3/18	77	F 02 B	75/00	144	F 02 P	21/00	298-300	F 02 B	3/00
458	F 22 D	1/12	41.17	F 01 P	9/02	78	F 02 B	75/04	145	F 02 B	9/08	301	F 02 B	31/00
		5/26	41.18	F 01 P	9/00	79	F 01 L	1/28		F 02 P	19/00	302, 303	F 02 B	3/00
459	F 22 G	1/00	41.19	F 01 P	3/22	80, 81	F 01 L	7/00	146	F 02 P	19/00	304	F 02 M	43/00
		3/00	41.2-41.27	F 01 P	9/02	82, 83	F 01 L	1/12	146.5	F 02 P	1/00	305	F 02 B	5/00
	F 28 B	1/00	41.28	F 02 B	75/18	84, 85	F 01 L	1/26	147	F 02 P	15/00	306	F 02 B	31/00
460	F 22 G	3/00	41.29	F 01 P	3/00	86	F 01 L	1/28	149	F 02 P	1/00	307	F 02 F	3/24
461-464	F 22 G	7/00	41.3	F 01 P	9/04	87-89	F 01 L	1/12	150-152	F 02 P	13/00	308, 309	F 02 B	31/00
465	F 22 G	7/10	41.31	F 01 P	1/06	90.1	F 01 L	1/00	153, 154	F 02 P	15/00	310	F 02 P	15/02
466	F 22 G	7/00			3/12			3/00	155	F 02 P	15/06	311-318	F 02 B	75/02
467, 468	F 22 G	3/00	41.32	F 01 P	1/10		F 01 M	1/00	156-161	F 02 P	15/00		F 02 D	39/02
		7/00			3/16			9/00	162	F 02 P	15/04		F 02 P	
469	F 22 G	7/08	41.33	F 01 P	11/08		F 16 F	1/00	163	F 02 P	15/00	319, 320	F 02 D	
470	F 22 G	7/12	41.34	F 01 P	1/06			13/00	164	F 02 P	5/00	321, 322	F 02 D	13/04
471-476	F 22 G	7/14			3/12		F 16 K	41/00	169	F 02 P	1/00	323	F 02 D	9/06
477	F 22 D	1/00	41.35-41.39	F 01 P	1/04	90.11	F 01 L	9/00	179	F 02 N	17/00	324-328	F 02 D	
	F 22 G	7/14			3/06	90.12-90.14	F 01 L	9/02	180	F 02 M	1/16	329	F 02 P	5/00
478	F 22 G	7/14	41.4, 41.41	F 01 P	1/08	90.15-90.18	F 01 L	1/34	182	F 01 L	13/08	330	F 02 B	33/00
479	F 22 G	5/00			3/14	90.19-90.21	F 01 L	1/00	183	F 02 N	13/00	331-333	F 02 D	
480	F 22 G	5/04	41.42, 41.43	F 01 P	3/00	90.22-90.23	F 01 L	1/26	184	F 02 N	17/00	334, 335	F 02 P	9/00
481	F 22 G	7/08	41.44-41.47	F 01 P	5/10	90.24-90.26	F 01 L	1/30	185	F 02 N	1/00	336	F 02 D	
482	F 22 G	7/02	41.48-41.49	F 01 P	7/10	90.27	F 01 L	1/02	186	F 02 P	9/00	337	F 02 D	9/08
483, 484	F 22 G	1/00	41.5	F 01 P	11/20			1/04	187.5	F 02 M	1/16	338	F 02 D	
485	F 22 G	1/16	41.51	F 01 P	3/20	90.28-90.3	F 01 L	1/32	188, 189	F 01 L	3/00	339	F 02 M	3/00
486	F 22 G	3/00	41.52, 41.53	F 01 P	3/04	90.31	F 01 L	1/02	190	F 01 L	7/00	340-342	F 02 D	
487	F 22 G	5/12	41.54	F 01 P	3/22			1/04	192	F 02 B	75/06	343	F 02 M	35/00
488, 489	F 16 T	1/00	41.55	F 01 P	11/00	90.32	F 01 L	1/06	193	F 02 F		344	F 02 M	7/00
	F 22 B	37/26	41.56	F 01 P	1/00	90.33	F 01 M	1/06	195	F 02 F	7/00	345-348	F 02 D	13/00
490	F 22 B	37/42	41.57	F 01 P	9/04			9/10	196	F 01 M	1/00	349	F 02 D	
491, 492	F 16 T	1/00	41.58, 41.59	F 01 P	7/00		F 16 K	41/00	197	F 02 B	75/32	350	F 02 D	41/00
	F 22 B	37/26	41.6-41.62	F 02 F	1/34	90.34-90.36	F 01 M	1/06	198	F 02 B	77/00			43/00
493	F 22 B	37/24	41.63-41.66	F 01 P	7/04			9/10	200, 201	F 02 B	53/00			45/00
494	F 22 B	37/36			7/06	90.37	F 01 M	9/10	202	F 02 B	53/06	351-359	F 02 D	31/00
495	F 22 B	37/42			1/02		F 16 K	41/00	203	F 02 B	53/04	360-362	F 02 D	41/00
496	F 22 B	37/24	41.67, 41.68	F 01 P	1/06	90.38	F 01 M	9/10	204	F 02 B	53/00			43/00
497	F 23 M	5/08	41.69	F 02 F	1/30	90.39, 90.4	F 01 L	1/18	205-209	F 02 B	53/10			45/00
498	F 23 M	7/04			1/02			1/20	210, 211	F 02 B	53/12	363-374	F 02 D	31/00
499	F 22 D	1/00	41.7	F 01 P	1/02			1/22	212, 213	F 02 B	53/08	375	F 02 D	1/06
	F 23 M	5/08	41.71	F 02 F	1/10			1/24	214-240	F 02 B	53/04	376, 377	F 02 D	31/00
500	F 22 B	13/00	41.72	F 01 P	3/02			1/26	241-249	F 02 B	53/00	378-393	F 02 D	7/00
501, 502	F 22 B	37/10	41.73	F 02 B	75/18	90.41, 90.42	F 01 L	1/18	250	F 02 B	19/00	394-401	F 02 D	
503	F 23 M	9/10	41.74	F 01 P	3/02	90.43	F 01 L	1/18	251	F 02 B	19/08	402	F 02 D	9/00
504	F 22 B	37/42	41.75	F 01 P	3/14			1/20	252, 253	F 02 B	19/00	403	F 02 D	9/08
504.1	F 22 B	37/46	41.76-41.78	F 02 F	1/14			1/22	254	F 02 F	1/00	404, 405	F 02 D	13/00
504.2-506	F 22 B	37/42	41.79, 41.8	F 02 F	1/10			1/24	255, 256	F 02 B	19/00	406-411	F 02 P	5/00
507	F 22 B	37/44	41.81	F 02 F	1/36	90.44	F 01 L	1/18	257	F 02 B	75/02	412	F 02 P	5/14
508, 509	F 22 B	37/22	41.82	F 02 F	1/10	90.45	F 01 L	1/18	258, 259	F 02 B	19/10	413-417	F 02 P	5/00
510	F 22 B	37/24	41.83, 41.84	F 02 F	1/06			1/20	260	F 02 B	19/00	418, 419	F 02 P	5/06
511	F 22 B	37/06	41.85	F 01 P	3/12			1/22		F 02 P	15/00	420	F 02 P	5/00
		37/10			13/00	90.46	F 01 L	1/18	261	F 02 B	19/00	421-425	F 02 P	5/14
512	F 22 B	17/02	41.86	F 01 M	59/00			1/24	262	F 02 M		426-428	F 02 P	5/00
		37/10	42	F 02 B	57/00	90.47	F 01 L	1/18		F 02 B	19/08	429	F 02 B	
			43, 44	F 02 B	53/00	90.48	F 01 L	1/14			31/00		F 02 M	
			45	F 02 B	71/00			1/16	263	F 02 B	31/00	430	F 02 B	17/00
			46	F 02 D	39/10			1/20	264	F 02 B	19/00	431	F 02 B	7/00
U.S. Class 123			47	F 01 L	11/00			1/22	265	F 02 B	19/16		F 02 M	71/00
INTERNAL-COMBUSTION ENGINES			48	F 02 B	75/04			1/24	266	F 02 B	19/00	432, 433	F 02 B	15/00
					75/36	90.49	F 01 L	1/16	267	F 02 M		434	F 02 M	
1	F 02 B	75/12	50	F 02 B	59/00	90.5, 90.51	F 01 L	1/14	268	F 02 B	19/00	435, 436	F 02 M	7/00
2	F 02 B	63/00	51	F 02 B	25/08	90.52	F 01 L	1/14	269	F 02 F	3/24	437-447	F 02 M	
3	F 02 B	43/08			25/10			1/20	270	F 02 B	19/00	448-451	F 02 M	41/00
18	F 02 B	53/00			75/28			1/22			75/08	452-467	F 02 M	
		55/00	52	F 02 B	75/18			1/24			77/02	468, 469	F 02 M	55/02
19	F 02 B	75/00	53	F 02 B	25/12	90.53, 90.54	F 01 L	1/14	271	F 02 B	19/00	470, 471	F 02 M	
21	F 02 B	69/06	54	F 02 B	75/26			1/22	272	F 02 B	51/02	472-480	F 02 M	51/00
22	F 02 B	41/00	55	F 02 B	75/22	90.55-90.59	F 01 L	1/14	273	F 02 B	19/00	481	F 02 D	7/00
23	F 02 B	45/00	56	F 02 B	75/24			1/24	274, 275	F 02 M		482-494	F 02 M	51/00
	F 02 D	19/04	57	F 02 B	75/28	90.6	F 01 L	1/04	276	F 02 F	3/26	495	F 02 M	37/04
24	F 02 B	45/06	58	F 02 B	75/26			1/08		F 02 M				59/00
25	F 02 B	47/00	59, 60	F 02 B	75/20	90.61	F 01 L	1/14	277, 278	F 02 B	19/00	496-499	F 02 M	37/04
26	F 02 B	41/00	61	F 02 B	75/16			1/20		F 02 M	71/00	500-504	F 02 M	37/04
27	F 02 B	3/00	62	F 02 B	33/06			1/22	279	F 02 F	3/26			59/20
37-39	F 02 B	75/00	63	F 02 B	75/16			1/24	280	F 02 B	19/00	505-509	F 02 M	37/04

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 123—Con.			U.S. Class 124											
510-517	F 02 M		MECHANICAL GUNS AND PROJECTORS			4	F 24 C	15/08	92	F 24 C	3/04	265-267	F 23 C	1/00
518-521	F 02 M	33/02					F 24 C	1/14	93-95	F 24 C	5/00	268	A 47 G	23/04
522	F 02 M	17/22						13/00	96,97	F 24 C	5/04	269	F 28 F	13/00
523,524	F 02 M	17/26	1	F 41 B	15/00	5	F 24 C	13/00	98	F 24 C	15/00	271.1	F 23 L	9/00
525,526	F 02 M	21/02				6	F 24 C	1/14	99	F 24 H	3/00	271.2	F 23 C	5/00
527	F 02 B	43/00	2	F 41 B	7/00	7	F 24 B	7/00	100	F 24 B	7/00	271.3	F 23 B	3/00
	F 02 M	21/04						9/00	101	F 24 D	9/00	273	A 21 B	1/00
528,529	F 02 B	43/00	3	F 41 B	6/00			13/04	102-104	F 24 H	3/06	273.5	A 21 B	1/04
530	F 02 M	5/00		F 41 F	7/00	8	F 24 C	15/08	105	F 24 H	9/12		F 24 C	15/34
531-535	F 02 M	23/00	4-9	F 41 F	3/04	9	F 24 C	1/16	106	F 24 H	3/12	274	A 21 B	1/00
536	F 02 B	51/00	10	F 41 F	7/00	10,11	F 24 B	1/08	107	F 24 H	9/18	275	A 21 B	1/52
	F 02 M	27/00		F 41 F	7/00			13/04	108	F 24 H	3/00		F 24 C	1/16
537-539	F 02 M	27/00	16,17	F 41 B	7/00	12,13	F 23 M	5/00	109	F 24 H	3/08			3/14
540-542	F 02 M	15/00		F 41 F	7/00	14	F 24 C	15/08	110	F 24 H	3/02			5/20
		31/20	18,19	F 41 B	7/02	15	F 24 B	5/00	111,112	F 24 H	3/00	276	F 24 C	1/16
		53/00		F 41 F	7/00	16	F 23 J	3/00	113	F 24 F	3/14			3/14
543-548	F 02 G	5/00	20-22	F 41 B	7/00	17	F 24 C	15/18	114	F 24 H	3/00	277-279	F 24 C	15/08
	F 02 M	15/00		F 41 F	7/00	18	F 24 C	15/30			9/02	280	F 24 C	15/14
		23/14	23-25	F 41 B	5/00	19	A 21 B	1/00	115,116	F 24 H	3/00	281,282	A 21 C	13/00
		31/02	26	F 41 B	15/00	19.5	F 24 B	1/00	117	F 24 H	3/12	283	F 24 B	1/08
		53/00		F 41 F	1/00	20-20.2	A 21 B	1/08	118	F 24 H	3/00			1/16
549	F 02 G	5/00				21,22	A 21 B	1/00	119	F 24 H	9/14			13/04
	F 02 M	15/00	27,28	F 41 A	33/00		F 24 C	15/32	134	F 24 F	3/14	284	F 24 H	1/00
		23/14		F 41 B	15/00	23	F 24 C	1/00	144-151	F 23 M	5/00	285	F 23 L	3/00
		31/02		F 41 F	1/00	24	F 24 C	15/30		F 24 B	13/02			11/00
		31/12	29	F 41 A	23/00	25-28	A 47 J	37/00	152	F 23 H	13/00			13/00
		53/00		F 41 B	15/00		F 24 B	3/00	153	F 23 H	17/08	285.5	F 23 N	3/00
550-554	F 02 G	5/00		F 41 F	1/00	29,30	F 24 B	3/00	154	F 23 H	13/00	286,287	F 23 L	3/00
	F 02 M	13/02	31	F 41 A	19/00	31	F 24 C	13/00	155	F 23 H	9/04			11/00
		15/00		F 41 C	27/00	32	F 24 C	15/00			11/24			13/00
		23/14	32	F 41 A	19/00	33	F 24 B	9/00	156,157	F 23 H	9/00	287.5	F 23 N	3/04
		53/00	33-39	F 41 A	19/00	34,35	F 24 C	13/00			11/24	289-297	F 23 L	3/00
555,556	F 02 G	5/00		F 41 C	27/00	36	F 24 C	1/02	158	F 23 H	9/04			11/00
	F 02 M	15/00	40	F 41 A	17/00			3/00			11/26			13/00
		23/14	41-44	F 41 A	9/00	37	F 24 C	15/10	159	F 23 H	9/04	298	F 24 B	13/00
		31/02	45-53	F 41 A	9/61	38	F 24 C	5/20			11/24	299-303	F 24 C	15/20
		31/04	54	F 41 B	15/00	39	F 24 C	3/00	160	F 23 H	1/02	304-306	F 24 C	15/08
		53/00	55	F 41 B	9/00	40	F 24 C	3/08	161	F 23 H	13/00	307,312	F 23 J	11/00
557,558	F 02 G	5/00	56	F 41 B	11/00	41	A 47 J	37/00	162	F 23 H	13/06	313	F 23 J	11/00
	F 02 M	15/00	57	F 41 B	11/08		F 24 C	3/00	163	F 23 H	1/02		F 24 F	5/00
		23/14	58-61	F 41 B	11/00	42	F 24 C	3/12	166	F 23 K	3/22	314,315	F 23 J	13/00
		31/02	62	F 41 B	1/00	43	F 24 C	5/00	167,168	F 23 H	17/12	316	F 23 J	13/06
		53/00	63-71	F 41 B	11/00	44	F 24 C	5/02	169	F 23 H	11/20	317	F 23 J	13/00
559.1-566	F 02 B	33/00	72	F 41 B	11/02	45-49	F 24 C	5/04	170-172	F 23 H	7/18	318	F 23 J	13/04
	F 02 D	23/00	73-77	F 41 B	11/00	50	F 24 C	5/00			9/12	319	F 23 J	13/08
	F 02 M	25/10	78,79	F 41 B	15/00			15/08	173	F 23 H	15/00	332-340	F 24 C	15/16
567	F 02 B	47/08	80,81	F 41 B	11/00	51	F 24 C	5/00	174,175	F 23 H	7/08	343,344	E 01 C	19/45
568-571	F 02 B	25/06	82-85	F 41 B	9/00			15/14			7/14		F 24 H	1/00
572-574	F 02 B	13/00	86-92	F 41 B	5/00	52	F 24 C	3/12	176-180	F 23 H	7/10	345-349	F 24 H	1/18
575	F 02 B	25/00						5/16			7/16	350,351	F 24 H	1/00
		43/00				53,54	F 24 C	13/00	181	F 23 H	9/02	355	F 24 H	1/10
576	F 02 B	1/00	U.S. Class 125			55	F 24 C	15/08	182	F 23 H	9/00	357	F 24 B	9/00
577	F 02 B	7/00	STONE WORKING			56	F 24 C	1/00	190-200	F 23 M	7/00		F 24 C	13/00
578	F 02 B					57	F 24 C	3/12		F 24 C	15/04	358	F 24 H	9/00
579-584	F 02 B	13/00						5/16	201	F 24 C	15/36	359	F 24 H	1/10
585,586	F 02 B	23/00	1,2	B 28 D	1/00	58	F 24 C	1/00	204-210	A 61 F	7/00	360	F 24 H	1/20
587-589	F 02 M	23/00	3-5	B 28 D	1/18	59	F 24 C	1/16			7/08	361-363	F 24 H	1/00
590	F 02 M	29/00	6-8	B 28 D	1/22	59.5	A 01 G	13/06	211,212	F 24 C	15/10	364,365	F 24 H	1/00
591	F 02 M	33/02	9	B 28 D	1/20	60	F 24 C	1/00	213	F 24 C	15/10			9/12
592	F 02 M	29/02	10	B 28 D	1/16	61	F 24 C	1/14			15/22	366	F 24 H	1/36
593	F 02 M	29/04	11	B 24 B	53/00	64	F 24 C	15/08	214-218	F 24 C	15/10	367,368	F 24 B	9/00
594,595	F 02 P		12	B 28 D	1/02	65,66	F 24 B	3/00	219	F 24 C	15/06	369-369.3	F 24 D	1/00
596-598	F 02 P	3/06	13-15	B 28 D	1/04	67	F 24 B	3/00			15/10	373	A 47 J	27/00
599	F 02 P	1/00	16-18	B 28 D	1/06		F 24 C	1/14	220,221	F 24 C	15/10		F 24 H	1/00
		3/06	19,20	B 28 D	1/02	68,69	F 24 B	7/00	222-225	F 23 G	5/00	374	A 47 J	27/00
600-605	F 02 P	3/06	21	B 28 D	1/08			13/04	226	F 24 C	1/00	375	F 24 H	7/00
606-608	F 02 P		22	B 28 D	1/12	70-72	F 24 B	7/00	227-229	F 24 C	3/00	376	A 47 J	27/10
609-611	F 02 P	9/00	23-25	B 28 D	1/32		F 24 C	1/14			5/00		F 24 H	1/00
612-619	F 02 P		26	B 28 D	1/00	73,74	F 24 B	13/04	230	F 24 C	1/00	377-379	A 47 J	27/06
620	F 02 P	3/02	27-29	B 28 D	3/00	75	F 24 C	1/08	231-235	F 24 C	3/00			27/16
621-629	F 02 P		30	B 28 D	5/00	76	F 24 B	5/00	236	F 24 C	1/00	380-382	A 47 J	27/00
630-632	F 02 P	11/00	35	B 28 D	7/04	77	F 24 C	1/14	237,238	F 24 C	3/00	383-386	A 47 J	27/58
633-635	F 02 P		36	B 28 D	5/04	78	F 24 C	13/00	239-241	F 24 C	5/00	387-392	A 47 J	27/00
636-639	F 02 P	15/08	37	B 28 D	5/02	79	F 24 B	5/00	242,243	F 23 J	1/00	400	F 24 H	7/00
640,641	F 02 P		38,39	B 28 D	5/04		F 24 C	1/08	244	F 23 J	1/06	401	F 24 J	
642	F 02 P	3/12	40-43	B 28 D	1/26	80	F 24 C	1/14	245	F 23 J	1/00	402-404	A 01 K	11/00
643-656	F 02 P					81	F 24 C	15/06	246	A 47 G	23/04		B 44 B	7/02
657,658	F 02 B					82	F 24 C	15/08			15/18	405-407	B 44 B	7/02
659	F 02 B	23/00				83	F 24 C	15/28	247	F 24 C	9/00	408,409	A 45 D	1/04
660	F 02 B	27/00	U.S. Class 126			84	F 24 C	15/20	248	F 24 C	1/00	410	D 06 F	67/00
661-667	F 02 B	23/00	STOVES AND FURNACES			85	F 24 C	3/00	249-254	F 24 C	3/00	411,412	D 06 F	75/00
668,669	F 02 B	75/08				86	F 24 C	3/02	255-260	F 24 C	5/04	413,414	B 23 K	3/02
		77/02				87,88	F 24 C	3/04	261,262	A 47 G	23/04	415,416	F 24 J	2/42
670	F 02 B	51/02	1	F 24 C	1/00	89	F 24 C	3/02	263	F 24 J	1/00	417	F 24 J	2/00
671	F 02 B	23/00	2,3	F 23 M	3/18	90,91	F 24 C	3/00			3/00	418	F 24 J	2/46

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 126—Con.			29	C 08 B	30/00	75	A 61 H	1/02	202.26	A 61 M	15/00	206.18,206.19	A 62 B	7/10
419-423	F 24 J	2/40		C 13 F	3/00	76	A 61 F	5/08			16/00			18/02
424,425	F 24 J	2/38		C 13 F	3/00	76.5	A 61 H	5/00		A 62 B	7/08			23/02
426	F 24 J	2/36	31	C 13 K	5/00	77	A 61 F	5/10			21/00	206.21	A 62 B	18/02
427	F 24 J	2/42	32,33	C 08 B	30/12	78	A 61 F	5/02	202.27	A 62 B	9/04	206.22-206.27	A 62 B	18/08
428-431	E 04 D	13/18	34	C 08 B	30/00	79	A 61 F	5/00	202.28-203.11	A 61 M	16/00	206.28	A 62 B	18/02
432	F 24 J	2/04	36	C 13 K	1/02	80	A 61 F	3/00	203.12	A 61 M	15/00	206.29,207.11	A 62 B	18/08
433	F 24 J	2/32	37	C 13 K	1/06			5/00			16/10	207.12	A 62 B	18/10
434	F 24 J	2/44	38-40	C 13 K	1/08	81	A 61 F	5/00	203.13	A 61 M	16/00	207.13	A 62 B	18/02
435	F 24 J	2/30	41	C 13 K	1/08	82	A 61 F	13/00	203.14	A 61 M	15/00	207.14	A 61 M	16/00
436	F 24 J	2/34	42	C 13 D				15/00			16/00		A 62 B	9/06
437	F 24 J	2/04		C 13 F		82.1	A 61 N		203.15	A 61 M	15/00	207.15	A 61 M	16/00
438	F 24 J	2/10		C 13 J		83-93	A 61 F	5/04			16/00	207.16	A 61 M	16/00
439	F 24 J	2/18	43	C 13 D	1/00	94	A 61 F	5/40		B 05 D	7/14		A 62 B	9/02
440	F 24 J	2/08	44	C 13 D	1/14	95.1-98.1	A 61 F	5/24		B 65 D	83/06			9/06
441	F 24 J	2/04	45	C 13 D	1/00	99.1,100.1	A 61 F	5/28	203.16	A 61 M	15/00	207.17	A 61 M	16/00
442-448	F 24 J	2/24	46.1-46.3	C 13 J	1/06	101.1	A 61 F	5/26			16/10		A 62 B	9/06
449	F 24 J	2/26	47	C 13 D	3/00	102.1-111.1	A 61 F	5/28	203.17	A 61 M	15/00	207.18	A 61 M	15/08
450	F 24 J	2/46		C 13 J	1/04	112.1-115.1	A 61 F	5/30			16/00		A 62 B	7/00
451	F 24 J	2/02	48	C 13 D	3/00	116.1	A 61 F	5/32		H 05 B	3/00	207.29	A 61 M	16/00
452	F 24 J	2/00		C 15 J	1/02	117.1	A 61 F	5/30	203.18	A 61 M	15/08	303	A 61 B	17/00
500	F 24 B	1/18	49	B 01 D	15/00	118.1	A 61 F	5/34	203.19,203.21	A 61 M	15/00	303.1-303.19	A 61 B	17/36
501	F 24 B	1/199		C 13 D	3/14			13/00			16/00	304	A 61 B	17/22
502-504	F 24 B	1/187		C 13 J	1/06	119.1,120.1	A 61 F	5/30	203.22-203.24	A 61 M	15/08	305-305.5	A 61 B	17/32
505	F 23 H	1/182	50-52	C 13 D	3/00	121.1-126.1	A 61 F	5/24	203.25	A 61 M	16/00	306	A 61 B	1/06
	F 24 B	1/182		C 13 J	1/02	155	A 61 F	13/00		F 16 K	11/00	307	A 61 B	17/46
		1/193	53	B 01 D	15/00			15/00		G 05 D	11/02		A 61 D	1/10
506	F 24 B	1/182		C 13 D	3/12		A 61 L	15/00	203.26	A 61 M	16/00	309	A 61 B	17/26
507	B 01 D				3/16	156	A 61 L	15/00		F 23 D	11/00	310	A 61 B	17/16
	F 24 B	1/191		C 13 J	1/08	157	A 61 F	13/00			14/00	311	A 61 B	17/32
508	F 24 B	1/183	54	B 01 D	61/24	158-162	A 61 F	5/40	203.27	A 61 M	16/00	312	A 61 B	17/16
	F 24 F	6/00		C 13 D	3/16	163,164	A 61 F	13/12	203.28	A 61 M	16/00	313-315	A 61 B	17/32
509-511	F 24 B	1/18		C 13 J	1/08	165	A 61 F	13/00	203.29	A 61 M	16/00	316	A 61 D	1/00
	F 24 D		55	C 13 D	3/12	166,166.5	A 61 F	13/06		A 62 B	18/02	317	A 61 B	17/14
512	F 23 C	3/00	56	C 13 F	1/06	168-171	A 61 F	13/06	204.11	A 61 M	15/00	318	A 61 B	17/32
	F 24 C	5/00	57	C 13 D	3/16	200.11-200.13	A 61 M	15/00	204.12	A 61 M	15/08	319,320	A 61 B	17/00
513,514	F 24 B	1/183	58-60	C 13 F	1/02			16/00	204.13,204.14	A 61 M	15/00	321,322	A 61 B	17/28
515-518	F 23 L	1/189	61,62	C 13 F	1/04	200.14,200.15	A 61 M	11/00			16/00	323	A 61 B	17/44
	F 24 B	1/181	63	C 13 F	1/08	200.16	A 61 M	11/00	204.15,204.16	A 61 M	16/00	324	A 61 D	1/08
519	F 24 B	1/181	64	C 13 F	1/08		B 05 B	17/06		A 62 B	7/00	325-327	A 61 B	17/12
520	F 24 B	1/18	65-71	C 08 B	30/00	200.17	A 61 M	11/00		F 24 F	5/00	328	A 61 B	17/00
521,522	F 24 B	1/188				200.18	A 61 M	11/00	204.17	A 61 M	16/00	329	A 61 B	17/34
523-535	F 24 B	1/189				200.19	B 05 B	1/26		A 62 B	7/00	330	A 61 B	17/00
		1/189					A 61 M	11/00	204.18	A 61 M	16/00	331	A 61 B	17/04
536-539	F 24 B	1/189				200.20	B 05 B	7/00		A 62 B	7/00	332	A 61 B	17/08
540-543	F 23 H	1/193				200.21-200.23	A 61 M	11/00	204.19	A 61 M	16/00	333	A 61 B	17/00
	F 24 B	1/192	1.6	H 04 R	25/00	200.24	A 61 M	15/00		A 62 B	7/00	334	A 61 B	17/08
544-549	F 24 B	1/195	3-5	A 61 B	1/00			16/00		F 16 K	1/08	335	A 61 B	17/06
550	F 24 B	1/193	6	A 61 B	1/06		A 62 B	7/00	204.21-204.23	A 61 M	16/00	336	A 61 M	29/00
551	F 24 B	1/193	7	A 61 B	1/06			9/00		A 62 B	7/00	337	A 61 M	29/02
552,553	F 24 B	1/195			1/30	200.25	A 62 B	7/00	204.24	A 61 M	31/02	338	A 61 M	29/00
554,555	F 23 J	1/00	8	A 61 B	1/06	200.26	A 61 M	16/00		A 62 B	7/00	339,340	A 61 B	17/00
	F 24 B	1/18	9	A 61 B	1/22	200.27	A 62 B	18/00		F 15 C	1/08	341-343	A 61 B	17/34
			10	A 61 B	1/26	200.28	A 62 B	29/00	204.25	A 61 M	16/00	344	A 61 B	17/42
			11	A 61 B	1/06			37/00		A 62 B	7/00	345	A 61 B	17/30
			12	A 61 B	1/00			13/00			9/00	346	A 61 B	17/00
			13	A 61 B	1/06		F 24 F	11/02	204.26-204.29	A 61 M	16/00	347	A 61 B	17/24
			14	A 61 D	1/00	200.29	B 63 C	11/16		A 62 B	7/04	348	A 61 B	17/00
			15	A 61 B	1/24	201.1	A 62 B	18/08	205.11	A 62 B	31/26	349	A 61 B	17/00
1	B 01 J	3/00	16	A 61 B	1/32	201.12-201.17	A 62 B	18/02			7/00	350	A 61 B	1/08
2	C 13 K	3/00	17	A 61 B	1/06	201.18	A 62 B	18/08			9/00	351	A 61 N	
3	C 13 D	1/12	18	A 61 B	1/00	201.19	A 62 B	7/06	205.12	G 05 B	1/00	352,353	A 63 B	21/00
4	B 02 C		19	A 61 D	13/00	201.21	A 62 B	17/04		A 62 B	7/10	354	A 61 H	33/00
	C 13 C		20	A 61 B	17/02	201.22-201.24	A 62 B	18/00			19/00	355	A 61 H	33/06
	C 13 D		21	A 61 B	1/00			7/10			23/02	356	A 61 N	
5-8	C 13 D	1/12	22,23	A 61 B	1/06	201.25	A 62 B	19/00	205.13-205.19	A 62 B	7/00	357	A 61 N	
9	C 13 D	3/00	24,24.1	A 61 H	1/00			23/02	205.21-205.23	A 62 B	9/00	358	H 05 C	3/00
	C 13 J		24.2	A 61 H	21/00	201.26	A 62 B	18/08			9/02	359	A 61 N	
10	B 01 D	61/24	24.3-24.5	A 61 H	1/02	201.27	B 63 C	11/02	205.24	A 62 B	18/02	360	A 61 F	7/00
	C 13 D	3/16	25,26	A 61 H	31/00	201.28	A 62 B	17/00	205.25	A 61 G	31/00	401	A 61 F	7/12
	C 13 J	1/08	28	A 61 H	1/02	201.29,202.11	A 61 G	10/00	205.26	A 62 B	7/10	402,403	A 61 N	1/00
11-14	B 01 D	21/00	30,30.2	A 61 H	1/00	202.12	A 61 M	15/00	205.27-205.29	A 62 B	23/02	419,420	A 61 N	
	C 13 D	3/00	31	A 61 H	7/00	202.13-202.19	A 61 M	15/06			10/00	420.5,420.6	H 05 G	1/00
	C 13 J	1/08	32-43	A 61 H	23/00	202.21	A 61 M	16/00	206.11	A 61 M	16/00		A 61 N	25/00
15,16	B 01 D	9/00	44-53	A 61 H	7/00	202.22	A 62 B	9/00		A 62 B	7/10		H 05 G	
	C 13 F	1/00	54,55	A 61 H	15/00			27/00			23/02	421-424	A 61 N	1/00
17-22	C 13 F	30/20	56	A 61 H	11/00		G 08 B	3/00	206.12-206.16	A 62 B	7/10	581,582	A 61 F	5/14
23	C 08 B	1/00	57	A 61 H	7/00			5/00			18/08	583	A 43 B	7/24
24-27	A 23 N	15/00	58	A 61 H	9/00	202.23,202.24	A 61 M	16/00	206.17	A 62 B	23/02	584,585	A 61 F	5/14
		1/00	59-64	A 61 H	7/00			16/00			18/08	586	A 43 B	7/14
	C 10 L	1/00	65,66	A 61 F	5/00	202.25	A 61 M	15/02			19/00	587-593	A 61 F	5/14
28	C 10 L	1/00	67											
			68-74											

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 128—Con.			846	A 61 F	5/37			1/08	96	A 24 C	1/04			3/00
594	A 43 B	7/14	847	A 61 F	13/00			1/30	105	A 24 C	1/28		A 24 F	13/06
	A 61 F	5/14	848	A 61 F	5/56	56,57	A 24 C	1/12	106	A 24 C	1/42	202	A 24 D	1/04
		5/34	849	A 61 B	19/00			1/22	107	A 24 C	1/44		A 24 F	1/20
595-613	A 61 F	5/14		A 61 F	5/37	57.5	A 24 C	1/12	108	A 24 B	7/14			7/04
614	A 43 B	7/16	850-856	A 61 B	19/08			5/10	109.1-109.3	A 24 B	1/02			13/06
615-623	A 61 F	5/14	857	A 61 F	11/00	58	A 24 C	1/26			3/06	203	A 24 F	1/20
630	A 61 B	5/00	858	A 61 F	9/00			5/08		A 24 C	1/02	204	A 24 F	1/20
631	A 61 B	5/07	859-862	A 61 C	5/14			5/10			5/39	205	A 24 F	1/02
632-634	A 61 B	5/00	863	A 61 B	19/00	59	A 24 C	1/26	110	A 24 B	7/14			5/06
635	A 61 B	5/05	864-866	A 61 F	11/00	60	A 24 C	5/14		A 24 C	1/02			5/08
636-638	A 61 B	5/00	867	A 61 F	11/06			5/31			5/39	206	A 24 F	1/02
639-644	A 61 B	5/04	868	A 61 F	11/00	61.1	A 24 C	5/47	111	A 24 B	1/10			5/08
645-652	A 61 B	3/16	869	A 61 B	19/00			5/52	112	A 24 B	1/10	207	A 24 F	1/20
653	A 61 B	5/05	870-884	A 61 F	5/37	62	A 24 B	15/00		A 24 C	1/08	209	A 24 F	1/16
654	A 61 B	6/00	885,886	A 61 F	5/48		A 24 C	5/00	113	A 24 C	1/42			13/04
655	A 61 B	6/00	887	A 61 B	17/00			5/47			5/60	210	A 24 F	1/16
	A 61 M	5/00	888,889	A 61 F	13/00	63-65	A 24 C	5/12	114	A 24 C	1/42			5/08
656-658	A 61 B	6/00	890	A 61 J	13/00			5/28			3/00			13/04
	A 61 M	25/00	891	A 61 F	13/00	66.1,66.2	A 24 C	5/18			5/60	211	A 24 F	1/04
659	A 61 B	6/00	892-894	A 61 F	13/06	67	A 24 C	5/22	115	A 24 C	1/20			1/06
660.01-660.1	A 61 B	8/00	897-899	A 61 B	19/00			5/24	116	A 24 C	1/02			1/08
		8/12				68	A 24 C	5/26			5/18			1/10
		8/14				69	A 24 C	5/24	117,118	A 24 C	1/02			13/04
661.01-661.1	A 61 B	8/02	U.S. Class 131			70	A 24 C	5/02			5/28	212.1,212.2	A 24 F	1/04
		8/06	TOBACCO					5/22	119	A 24 C	1/18			1/06
		8/12						5/54			1/20			1/08
662.01-663.01	A 61 B	8/14				71	A 24 C	5/02	173	A 24 F	1/14			1/10
664,665	A 61 B	6/00	27.1	A 24 C	1/08			5/47			1/30	213	A 24 F	1/16
666,667	A 61 B	5/02			5/08			5/56	174	A 24 F	1/12			1/02
		6/00			5/10			5/58			5/10			1/16
668-670	A 61 B	5/02	28	A 24 C	3/00	72	A 24 C	5/47			9/16			13/04
671	A 61 B	5/02			5/00			5/52			13/16	214	A 24 F	5/00
		5/08			5/60			5/58	175	A 24 D	1/12	215.1	A 24 F	1/02
672-675	A 61 B	5/02	29,30	A 24 C	1/32	73,74	A 24 C	5/00		A 24 F	13/02			5/04
676	A 61 B	3/12			5/47	75	A 24 C	1/18	176	A 24 F	5/10			13/04
		5/02			5/58			5/06	177	A 24 F	5/10	215.2	A 24 F	1/02
677-695	A 61 B	5/02		A 24 D	3/02			5/42			9/02			5/04
696-712	A 61 B	5/04	31	A 24 B	3/12	76	A 24 C	1/32	178	A 24 F	3/00			13/06
713-715	A 61 B	5/02			9/00			5/47			13/12	215.3	A 24 F	1/02
716-729	A 61 B	5/08			15/00			5/58	179	A 24 F	1/08			5/04
730	A 61 B	5/08		A 24 C	5/00	77	A 24 C	1/18			13/02			13/04
	B 65 D	81/00	32	A 24 C	1/16			1/20	180,181	A 24 F	1/26	216	A 24 F	1/16
731-733	A 61 B	5/04			1/40			5/06			15/00			1/18
734	A 61 B	5/05			3/00	78	A 24 C	3/00			23/04			13/04
735	A 61 H	39/02	33	A 24 C	1/04			5/00	182,183	A 24 F	3/02	217	A 24 F	1/16
736	A 61 B	5/00			3/00			5/06			13/10			13/04
737	A 61 B	5/06	34	A 24 C	1/04	79	A 24 C	1/18	184.1	A 24 F	3/02	218	A 24 F	1/02
738	A 61 B	10/00			3/00			1/20			9/02			1/16
739	A 61 B	5/00			5/46			5/06			9/04			13/04
740	A 61 B	19/00	35	A 24 C	1/34	80	A 24 C	1/18	184.2	A 24 F	3/02	219	A 24 F	1/18
741	A 61 B	5/05			3/00			1/20			9/02			1/20
742,743	A 61 B	5/00			5/24			3/00			9/10			13/04
744	A 61 B	19/00	36	A 24 C	1/26	81.1	A 24 B	7/14	184.3	A 24 F	3/02	220	A 24 F	1/18
745	A 61 B	13/00			1/28		A 24 C	1/02			9/02			1/20
746	A 61 B	5/00			1/30			1/24			9/04			5/00
747	A 61 B	5/00	37	A 24 C	1/34	82	A 24 C	1/02	185	A 24 F	3/00			5/06
	A 61 M	31/00			5/24			1/18			47/00	221,222	A 24 F	5/00
748	A 61 B	5/00	38,39	A 24 C	1/02			1/20	186	A 24 F	3/00	223	A 24 F	1/02
749-759	A 61 B	10/00			3/00	83.1	A 24 C	1/18			9/14			5/04
760-766	A 61 B	5/00	40	A 24 C	1/02	84.1-84.3	A 24 C	5/18			13/22			13/04
	B 65 D	81/00			1/10	84.4	A 24 C	5/18	187	A 24 F	13/02	224	A 24 F	5/00
767	A 61 B	5/00			1/16			5/28	188,189	A 24 F	13/08			5/06
	B 65 D	33/00			3/00	85	A 24 C	1/18		A 24 F	13/02			5/08
		81/00	41	A 24 C	1/02			1/20			13/08	225	A 24 F	5/00
768	A 61 B	5/00			1/22			5/06	191	A 24 F	1/28			7/02
769	A 61 B	5/00			3/00	86	A 24 C	1/18	192	A 24 F	7/02			13/02
	A 61 F	2/02	42	A 24 C	1/02			5/06			13/02	226	A 24 F	5/00
	B 65 D	81/00			3/00	87	A 24 C	1/20	193	A 24 F	1/24	227	A 24 F	7/00
770	A 61 B	5/00	43	A 24 C	1/02			5/06	194	A 24 F	1/22	228	A 24 F	7/00
771	A 61 B	5/00			1/18	88	A 24 C	1/32			1/32			7/02
	B 65 D	81/00			3/00			5/47			13/04			9/16
772	A 61 B	5/00	44	A 24 C	1/02	89	A 24 C	1/32	195	A 24 F	1/22	229	A 24 F	7/00
	A 61 M	25/00			1/08			5/54			5/04	230	A 24 F	1/32
773	A 61 B	7/00			3/00	90	A 24 C	1/32			13/04			13/02
774-782	A 61 B	5/103	45	A 24 C	1/18			1/34	196	A 24 F	1/22	231	A 24 D	1/12
		5/117			3/00	91	A 24 C	1/32			13/04			13/16
783-804	A 61 N	1/00	46	A 24 C	1/24			1/36	197	A 24 F	1/16			19/00
830-838	A 61 F	6/06			1/36			5/12	198.1,198.2	A 24 F	5/04	232	A 24 F	19/10
839	A 61 F	6/14			3/00	92	A 24 C	1/32	199	A 24 F	1/00	233	A 24 F	13/24
840	A 61 F	6/06			5/12			5/26			13/00			15/10
841	A 61 F	6/14	47-54	A 24 C	1/10			5/54	200	A 24 D	1/04			19/10
842,843	A 61 F	6/02			5/08	93	A 24 C	1/32			3/00			27/00
844	A 61 F	6/04			5/44	94,95	A 24 C	5/47		A 24 F	1/00	234	A 24 F	19/10
845	A 61 G	15/00	55	A 24 C	1/00			5/58	201	A 24 D	1/04	235.1	A 24 F	13/18

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 131—Con.														
		19/14			3/12	362,363	A 24 D	1/04	216	A 45 D	40/30	280	A 45 D	8/06
		13/18			5/00			3/00	217	A 45 D	2/48	281,282	A 45 D	8/02
		9/00			9/00		A 24 F	7/00	218	A 45 D	40/26	283	A 45 D	8/06
236,237	A 24 F	13/18	305-307	A 24 B	3/02	364	A 24 D	1/00	219	A 45 D	24/00	284	A 45 D	8/08
237.5	A 24 F	13/18			3/06	365	A 24 D	1/02	220	A 45 D	2/36	285	A 45 D	29/00
		19/14			9/00		D 21 H	11/00			4/14	286	A 45 D	40/00
		19/10	308	A 24 B	3/12			13/00	221	A 45 D	2/00			40/18
238	A 24 F	19/12			15/20			15/00			37/00	287	A 45 D	33/20
239	A 24 F	15/08	309	A 24 B	15/00			17/00	222	A 45 D	2/00	288	A 45 D	33/32
240.1-242.6	A 24 F	15/18			15/28			19/00	223	A 45 D	2/00			42/10
		19/00	310	A 24 B	15/30			21/00			2/38	289	A 45 D	27/22
		19/10			15/42			23/00			2/46	290	A 45 D	27/16
		3/02	311,312	A 24 B	5/10			25/00	224	A 45 D	1/00			27/18
243	A 24 F	9/04	313	A 24 B	5/00			27/00			2/40	291	A 45 D	27/22
244	A 24 F	3/02	314	A 24 B	5/00	366	A 24 B	13/00	225	A 45 D	2/40	292	A 45 D	42/08
		9/12			5/08	367	A 24 D	1/00			2/42	293	A 45 D	27/00
245	A 24 F	3/02	315	A 24 B	5/16	368	A 24 B	13/00	226	A 45 D	2/12	294	A 45 D	33/00
		9/06	316,317	A 24 B	3/18		A 24 D	1/16	227	A 45 D	1/02			33/24
246	A 24 F	3/02			5/12	369-375	A 24 B	3/14			2/22	295,296	A 45 D	33/22
		9/10	318	A 24 B	5/00			15/12	228	A 45 D	6/06	297	A 45 D	33/28
247	A 24 F	9/02			5/08				229,230	A 45 D	1/04	298,299	A 45 D	33/02
248	A 24 F	13/20	319	A 24 B	5/06						2/36	300	A 45 D	33/24
		13/24	320,321	A 24 B	5/00						4/00	301,302	A 45 D	42/02
249	A 24 F	13/24			5/06	U.S. Class 132			231	A 45 D	4/18	303	A 45 D	33/00
250	A 24 F	13/24			5/08	TOILET			232	A 45 D	1/04	304,305	A 45 D	42/02
		15/06	322	A 24 B	5/04				233	A 45 D	1/20	306,307	A 45 D	33/02
		15/08	323	A 24 B	5/02	53	A 41 G	3/00			4/16	308-310	A 45 D	44/18
		15/16			5/08			5/00	234	A 45 D	4/16	311	A 46 B	11/00
250.1	A 24 F	13/24	324,325	A 24 B	5/08	54,55	A 41 G	5/00	235	A 45 D	2/36			15/00
251	A 24 F	13/24			5/16	56	A 41 G	3/00	236	A 45 D	6/08	312	A 45 D	40/00
		15/10	326	A 24 B	5/08			5/00			6/18	313	A 45 D	44/18
		15/14			5/14	57.1-62	A 42 B	7/00	237,238	A 45 D	6/02			15/00
252-255	A 24 F	13/24	327	A 24 B	1/04	63.1-66.1	A 44 B	9/00			6/04	314	A 45 D	40/24
256	A 24 F	13/18			1/06	68.1-72.1	A 44 B	9/06	239,240	A 45 D	2/32	315	A 45 D	27/22
		19/14			1/10	73	A 45 D	29/00	241	A 45 D	2/34			43/14
257	A 24 F	9/14			3/06	73.5	A 45 D	29/18	242	A 45 D	2/12	316	A 45 D	42/00
		13/22			3/08		B 26 B	13/22	243	A 45 D	6/18	317,318	A 45 D	40/24
		19/00			3/16	73.6	A 45 D	29/05	244	A 45 D	6/08	319	A 45 D	40/30
258,259	A 24 F	13/22	328	A 24 F	11/00	74.5	A 45 D	29/18			6/10	320	A 45 D	40/26
260	A 24 F	9/14			47/00	75	A 45 D	29/20	245	A 45 D	2/00	321-329	A 61 C	15/00
		13/22	329	A 24 F	13/00	75.3,75.4	A 45 D	29/18			2/14	330-332	A 45 D	8/18
		19/00			17/00	75.5	A 45 D	29/18	246	A 45 D	2/18	333	A 45 D	44/00
		47/00			25/00		B 26 B	17/00	247	A 45 D	2/20			
270-273	A 24 F	15/00	330	A 24 F	1/10	75.6	A 45 D	29/04	248	A 45 D	2/14			
274	A 24 B	15/30	331	A 24 B	15/00	75.8	A 45 D	29/05	249	A 45 D	2/16			
275,276	A 24 B	15/36			15/10			29/14			2/28			
277	A 24 B	15/38			15/18	76.2	A 45 D	29/20	250	A 45 D	2/08			
278	A 24 B	15/30			15/30	76.4,76.5	A 45 D	29/18	251	A 45 D	6/14			
279	A 24 B	5/32			15/42	101	A 42 B	7/00			6/16			
280	A 24 C	5/34			3/06	102-104	A 45 D	24/00	252	A 45 D	6/16			
		1/38	332	A 24 D	15/28	105	A 41 G	5/00	253	A 45 D	2/16	1	B 08 B	3/12
281	A 24 C	5/60			3/06	106	A 45 D	8/38			2/18			6/00
282	A 24 C	1/14	333	A 24 B	15/18	107	A 45 D	24/30	254	A 45 D	2/24			7/00
		1/44			3/06	108-111	A 45 D	24/16			2/26			7/02
		5/33	334	A 24 B	15/18	112-116	A 45 D	24/22			2/30	2	C 03 C	23/00
283	A 24 C	5/35			3/04	117,118	A 45 D	24/10	255	A 45 D	2/12			1/00
284	A 24 C	1/42			3/08	119	A 45 D	24/42			2/14	3	C 23 G	1/02
		5/38			3/12	119.1	A 45 D	24/00			6/14	4	B 08 B	7/00
		5/60			3/14	120,121	A 45 D	24/16	256	A 45 D	2/24	5	B 08 B	7/00
285	A 24 C	1/14	335,336	A 24 D	3/04	122,123	A 45 D	24/10			2/26			1/00
		1/26	337	A 24 D	3/06	124	A 45 D	24/00	257,258	A 45 D	2/28	6,7	B 08 B	7/00
286-289	A 24 C	1/00	338-340	A 24 D	3/04	125	A 45 D	24/30	259,260	A 45 D	2/24	8	B 08 B	9/04
		5/00	341-344	A 24 D	3/04	126-128	A 45 D	24/04			2/26	9	B 08 B	7/00
290	A 24 B	3/10			3/06	129	A 45 D	24/06	261	A 45 D	2/26	10	B 08 B	7/04
		15/00	345	A 24 D	3/06	130	A 45 D	24/12	262	A 45 D	2/14			1/36
291-296	A 24 B	3/18	346	A 24 D	3/04	131-135	A 45 D	24/06	263	A 45 D	2/24	11	C 23 G	5/00
297	A 24 B	15/24			3/06	136-142	A 45 D	24/04			2/26			7/04
298	A 24 B	15/26	347	A 24 F	47/00	143	A 45 D	24/08	264	A 45 D	2/26	12,13	B 08 B	7/04
299	A 24 B	15/22	348	A 24 D	1/14	144-146	A 45 D	24/38	265	A 45 D	2/00	14	B 08 B	1/00
300,301	A 24 B	1/02	349	A 24 D	1/10	147-200	A 45 D	24/00	266	A 45 D	6/02	15	B 08 B	1/02
		3/02			1/12	201	A 41 G	3/00			6/04	16,17	B 08 B	7/02
		3/04			1/16			5/00	267	A 45 D	2/06	18	B 08 B	7/04
		3/12	350	A 24 D	3/18	202	A 61 K	7/06	268	A 45 D	2/14	19,20	B 08 B	7/00
		9/00			1/00			7/08	269	A 45 D	1/00			1/00
		15/00	351	A 24 D	1/10	203-205	A 45 D	7/04	270	A 45 D	19/18	21	B 08 B	5/04
302	A 24 B	1/02	352	A 24 B	15/00	206	A 45 D	7/06	271	A 45 D	20/08	22.1	B 08 B	9/00
		3/02	353,354	A 24 B	3/14	207	A 45 D	7/04	272	A 45 D	19/16	22.11	B 08 B	9/03
		3/12			15/12	208	A 61 K	7/13	273	A 45 D	8/04	22.12-22.17	B 08 B	9/00
		9/00	355	A 24 B	3/14			7/135			8/34	22.18	B 08 B	9/093
303	A 24 B	1/02			15/14	209	A 61 K	7/06			8/36	22.19,23	B 08 B	9/00
		3/02	356-358	A 24 B	3/14			7/08	274	A 45 D	8/40	24	B 08 B	9/04
		3/04			15/12	210	A 45 D	7/00	275	A 45 D	8/12	25.1-25.5	B 08 B	9/20
		9/00	359	A 24 B	15/00	211,212	A 45 D	7/02	276	A 45 D	8/00	26-30	B 08 B	3/00
304	A 24 B	1/02	360	A 24 B	1/00	213,213.1	A 45 D	24/34	277	A 45 D	8/20	31	B 08 B	5/00
		3/02	361	A 24 B	1/04	214	A 45 D	24/36	278,279	A 45 D	8/22	32	B 08 B	1/02
		3/04			7/00	215	A 45 D	2/50			8/28	33	B 08 B	7/00

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 134—Con.			95	E 04 H	15/30	15	F 16 L	55/18	255-267	E 03 B	11/00	562-564.5	E 03 B	7/07
			96	E 04 H	15/02		F 17 D	3/00		F 17 D	1/00	565	E 03 B	5/00
34	B 08 B	3/00	97	E 04 H	15/18	15.1,15.2	F 02 B	27/00	268	E 03 B	11/00		E 03 C	11/16
35	B 08 B	3/10	98	E 04 H	15/28		F 02 K	11/00		E 03 C	1/046		E 03 B	1/00
36	B 08 B	3/00	99	E 04 H	15/26	38-46	G 05 B			F 17 D	1/00	565.1,565.2	E 03 B	5/00
37	B 08 B	7/04	100	E 04 H	15/24		G 05 D		269-271	E 03 B		566-570	E 03 B	5/00
38	B 08 B	7/00	101	E 04 H	15/34	47	G 05 D	13/04		F 17 D			E 03 B	11/16
	C 23 D	17/00	102	E 04 H	15/36			13/08	272-308	E 03 B	9/02	571-579	E 03 B	11/00
39	B 08 B	7/00	103	E 04 H	15/38	48	G 05 D	13/04	309-311	F 16 K	11/00		F 17 D	1/00
40	B 08 B	7/00	104	E 04 H	15/40			13/08			49/00	580	E 03 B	1/00
	C 23 G	1/00	105	E 04 H	15/42			13/10	312-314	E 03 B			E 03 B	3/00
		5/00	106	E 04 H	15/44	49	G 05 D	13/04		F 16 K	23/00		F 16 L	27/00
41	C 23 G	1/02	107,108	E 04 H	15/46			13/08	315-329.4	F 16 K	43/00	581	E 03 B	11/00
42	B 08 B	3/14	109	E 04 H	15/48	50-58	G 05 D	13/10			51/00		F 17 D	1/00
		7/00	110	E 04 H	15/50	59-62	E 03 B	7/10		F 16 L	55/18	582	E 03 C	1/18
43,44	B 08 B	3/00	111	E 04 H	15/52		F 16 P		330-333	F 16 K	29/00	583-589	F 16 K	24/00
45	B 08 B	3/00	112,113	E 04 H	15/48	65,66	F 23 D	5/16	334-341	F 16 K	49/00	590-593	E 03 B	11/00
		3/04	114	E 04 H	15/60			14/72		F 16 L	53/00		F 17 D	1/00
46-103	B 08 B	3/00	115	E 04 H	15/54	67-77	F 16 K	17/14	342	E 03 B	1/00	594-597	E 03 B	
104.1-104.4	B 08 B	3/04	116	E 04 H	15/56			17/40			7/00		E 03 C	
105-122	B 08 B	3/00	117	E 04 H	15/58	78.1	F 16 K	17/36		E 03 C	1/00		F 17 D	
123	B 08 B	3/00	118	E 04 H	15/62			31/04		F 17 D	1/00	598	F 16 D	65/20
		3/04	119	E 04 H	15/64			31/12			3/00			65/32
124-165	B 08 B	3/00	120	E 04 H	15/00	78.2,78.3	F 16 K	17/36	343	F 16 L	3/00			65/72
166-171	B 08 B	3/00			15/32			31/04	345-355.12	A 01 M	7/00	599-616.7	E 03 B	
		9/00	900	E 04 H	15/02			31/12		B 60 P	3/30		E 03 C	
172-201	B 08 B	3/00	901	E 04 H	15/00			31/18		E 01 H	1/10		F 17 D	
		3/12	902	E 04 H	15/20		G 05 B	11/00	355.16-355.27	A 62 C	35/00	624.11-624.22	E 03 B	
		6/00			15/54	78.4	F 16 K	17/36		B 65 H	75/34		E 03 C	
			903	E 04 H	15/54		F 23 D	14/72	355.28	F 16 L	3/00	624.27	F 16 K	3/00
			904	E 04 H	15/02		F 16 K	17/36	356-373	F 16 L	5/00	625-637.5	E 03 B	31/00
			905	E 04 H	15/32	78.5	F 16 K	17/36	374	F 16 L	3/00		E 03 B	
					79.80		F 16 K	17/38	375	F 16 L	7/00		E 03 C	
					81.1,81.2		F 16 K	17/36	376	F 16 L	3/00		F 17 D	
					82-86		F 15 B	5/00	377-382.5	E 03 B	1/00	797	E 03 B	
							G 05 D	16/00			3/00		E 03 C	
							G 05 D	11/00		F 16 K	27/08		F 16 K	17/14
							G 05 D	1/00		F 16 L	35/00			17/40
							G 05 D	11/00		F 16 P	1/00	798,799	E 03 B	
							G 05 D	7/00		F 17 D	1/00		E 03 C	
								9/00	383-385	F 16 K	35/00		F 16 L	
								11/00	386-408	E 03 B		800	F 16 L	35/00
								10/00		E 03 C		801	B 67 D	5/37
								43/00		F 16 K	21/18	802	F 16 K	21/00
								5/54	409-451	F 16 K	31/18		E 03 B	
								1/00	453,454	E 03 B			E 03 C	
								1/08		E 03 C			F 16 K	
								5/54		F 17 D			F 17 D	
								1/00	454.2-454.6	F 16 K	25/00	803	F 15 C	1/00
								1/18			51/00	804,805	F 15 C	4/00
								1/20	455	F 16 K	15/00	806,807	F 15 B	21/00
											17/00	808-813	F 15 C	1/16
								3/16	456-466	F 16 K	17/00	814-821	F 15 C	1/12
								9/03	467,467.5	F 16 K	15/00	822,823	F 15 C	1/14
								5/54			17/00	824	F 15 C	1/20
								1/00	468	F 16 K	17/38	825	F 15 C	1/04
								1/18	469-478	F 16 K	17/20	826	F 15 C	1/08
									479-484	F 02 D	9/00	827,828	F 15 C	1/04
								5/54	484.2-484.8	F 16 K	17/34	829	F 15 C	3/00
								1/00	485-492.5	F 16 K	31/12	830	F 15 C	1/08
								1/10			31/36	831	F 15 C	1/04
								24/00	493-493.9	F 16 K	17/26	832	F 15 C	3/00
											24/00	833	F 15 C	1/06
								15/20	494	F 16 K	31/12	834-841	F 15 C	1/08
								15/20			31/36	842	F 15 C	1/18
								37/00	495	F 16 K	31/14	843-854	F 16 K	15/14
								15/20	496-510	F 16 K	31/12	855-858	F 16 K	15/16
								3/00			31/36	859,860	F 16 K	15/14
								1/00	511-513.7	F 16 K	15/00	861	F 16 K	1/00
								5/00			17/00			3/00
								7/00			21/04			5/00
								1/08	514-514.7	F 16 K	21/10			7/00
								3/36	515-543.23	F 16 K	15/00			11/00
								5/22			17/00			15/00
								11/00			21/04			17/00
								51/00	544-550	B 01 D		862	F 16 K	1/02
								13/00		E 03 B	3/18			11/14
								13/10			7/07	863	F 16 K	7/00
								43/00	551-559	E 03 B	7/07		F 16 K	11/14
								55/24		F 16 K	37/00	864	F 16 K	1/14
								13/10		F 17 D	3/00			11/14
								31/12	560	E 03 B			F 16 K	15/04
								13/00		E 03 C		865-867	F 16 K	11/14
								43/00	561	F 17 D		868	F 16 K	11/14
								55/24		E 03 B			F 16 K	17/04
										F 15 B		869	F 16 K	11/14

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U.S. Class 137—Con.			U.S. Class 139			U.S. Class 140			U.S. Class 141			U.S. Class 138		
			TEXTILES, WEAVING			WIREWORKING			FLUENT MATERIAL HANDLING, WITH RECEIVER OR RECEIVER COACTING MEANS			PIPES AND TUBULAR CONDUITS		
870	F 16 K	31/12	111-117	F 16 L	57/00	183,184	D 03 D	49/52	420	D 03 D	15/00	26	F 16 L	55/04
871	F 16 K	11/14	118-139	F 16 L	11/00	185,186	D 03 D	49/54	421-423	D 03 D	15/08	27,28	E 03 B	7/10
872-874	F 16 K	31/02	140-153	F 16 L	11/00	187	D 03 D	49/56	424,425	D 03 D	15/02	30,31	F 16 L	55/04
875	F 16 K	17/04	154	F 16 L	9/14	188	D 03 D	49/60	426-428	D 03 D	15/00	32-34	E 03 B	7/10
876	F 16 K	1/00	155	F 16 L	9/16	189	D 03 D	49/62	429	D 03 D	47/00	35	F 16 L	53/00
877	F 16 K	1/16	156-178	F 16 L	9/22	190,191	D 03 D	51/42	430	D 03 D	47/40	36	F 16 L	53/00
878	F 16 K	1/00				192	D 03 D	49/60	431	D 03 D	47/42	37-45	F 15 D	55/10
879	F 16 K	1/00				193	D 03 D	49/62	432	D 03 D	47/44	89-92	F 16 L	55/12
						194	D 03 D	41/00	433	D 03 D	47/46	93	F 16 L	55/12
							D 03 J	5/00	434	D 03 D	47/48	94-95	F 16 L	55/10
							D 03 J	5/00	435	D 03 D	47/30	96	B 65 D	59/00
							D 03 D	45/52			47/32			
							D 03 J	5/00	436	D 03 D	47/26			
							D 03 J	5/06	437-439	D 03 D	47/24			
							D 03 J	5/00	440	D 03 D	47/02			
							D 03 J	5/04			47/10			
							D 03 J	5/02	441	D 03 D	47/04			
							D 03 J	5/08	442	D 03 D	47/06			
							D 03 J	35/00	443	D 03 D	47/12			
							D 03 J	5/00	444	D 03 D	47/14			
							D 03 J	51/40	445	D 03 D	47/16			
							D 03 J	5/08	446	D 03 D	47/18			
							D 03 J	5/00	447,448	D 03 D	47/20			
							D 03 J	5/20	449	D 03 D	47/00			
							D 03 D	45/00	450,451	D 03 D	47/34			
							D 03 D	45/02	452	D 03 D	47/36			
							D 03 D	45/18	453	D 03 D	47/38			
							D 03 D	45/32	454	D 03 D	47/00			
							D 03 D	45/48	455,456	D 03 C	13/00			
							D 03 D	45/34						
							D 03 D	45/20						
							D 03 D	45/26						
							D 03 D	45/20						
							D 03 D	45/02						
							D 03 D	45/50						
							D 03 D	45/04	1,2	B 21 F	27/00			
							D 03 D	45/10	3	B 21 F	27/04			
							D 03 D	45/04	4	B 21 F	27/06			
							D 03 D	45/08	5	B 21 F	27/02			
							D 03 D	45/04	6-9	B 21 F	27/00			
							D 03 D	45/00	10	B 21 F	27/08			
							D 03 D	49/00	11	B 21 F	27/00			
							D 03 J	1/22	12,13	B 21 F	27/02			
							D 03 D	49/70	14,15	B 21 F	27/00			
							D 03 D	49/20	16	B 21 F	27/02			
							D 03 D	49/00	17-23	B 21 F	27/00			
							D 03 J	1/00	24	B 21 F	29/00			
							D 03 C	15/00	25-50	B 21 F	33/00			
							D 03 J	51/00	51-57	B 21 F	25/00			
							D 03 D	51/34	58-70	B 21 F	45/00			
							D 03 D	51/20	71-71.6	B 21 F	45/08			
							D 03 D	51/18	72	B 21 F	1/06			
							D 03 D	51/40	73,74	B 21 F	45/16			
							D 03 D	51/18	75	B 21 F	1/06			
							D 03 D	51/20			45/00			
							D 03 D	51/28	76	B 21 F	37/00			
							D 03 D	51/20	77-81	B 21 F	45/00			
							D 03 D	51/26	81.5	B 21 F	45/02			
							D 03 D	51/32	82-84	B 21 F	45/16			
							D 03 D	51/20	85	B 21 F	45/04			
							D 03 D	51/34	86	B 21 F	45/00			
							D 03 D	51/36	87	B 21 G	7/04			
							D 03 J	3/00	88	B 21 F	35/00			
							D 03 D	3/04	89	B 21 F	27/12			
							D 03 D	23/00	90	B 21 F	45/00			
								25/00	91	B 21 F	45/00			
							D 03 D	3/00	92	B 21 F	45/16			
							D 03 D	3/02	92.1,92.2	B 21 F	3/00			
							D 03 D	1/04	92.3-92.94	B 21 F	21/00			
							D 03 D	27/00			45/00			
							D 03 D	27/04	93	B 21 F	45/00			
							D 03 D	27/18	93.2-93.6	B 21 F	9/02			
							D 02 G	3/42	94,95	B 21 F	45/04			
							D 03 D	27/08	97	B 21 F	45/10			
							D 03 D	27/00	100	B 21 F	45/00			
								27/10	101	B 21 F	15/00			
								39/18	102,102.5	B 21 F	3/00			
							D 03 D	27/12	103	B 21 F	3/00			
							D 03 D	27/06			35/00			
							D 03 D	23/00	104	B 21 F	1/06			
							D 03 D	11/00	105,106	B 21 F	1/00			
							D 03 D	23/00	107-109	B 21 F	33/00			
								25/00	110	B 21 F	27/00			

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 141—Con.			U.S. Class 144			U.S. Class 147			U.S. Class 148			U.S. Class 142		
			WOODWORKING			COOPERING			METAL TREATMENT			WOOD TURNING		
97-113	B 67 C	31/00	1	B 27 C	9/00	347	B 27 G	11/00	1	C 21 D	1/06	1,2	B 23 B	3/28
	B 65 B	3/02	2	B 27 C	9/00	348-352	B 27 F	1/00	2,3	C 22 C	25/00		B 27 C	5/00
		1/04		B 27 L	1/05	353	B 27 D	1/00	4	C 22 F	8/00	3,4	B 27 C	9/00
		3/04			1/06	354	B 27 F	7/00	9	C 23 C	7/00	5-15	B 23 B	3/28
114	B 67 C	3/02			1/08	355	B 27 F	1/00	9,5,9,6	B 23 K	7/00		B 27 C	5/00
115-127	B 65 B	3/16			1/10	356,357	B 27 B	1/00	11,5	C 21 D	25/00	16	B 27 C	5/00
		1/04			1/12	358,359	B 27 M	1/00	12-12,7	C 22 F	3/06	17-20	B 23 B	7/00
		3/04			1/14	360	B 27 H	1/00	13	C 21 D	1/04	21-26	B 23 B	3/28
128	B 67 C	3/02			3/00	361,362	B 27 M	1/02	12,9	C 21 D	1/00		B 27 B	5/00
	B 65 B	1/34			3/00	363	B 27 K		13,1,13,2	C 21 D	1/44	27,28	B 23 B	5/00
		3/26			3/00	364	B 27 M	1/00	14	C 23 C	1/00	29,30	B 23 B	3/28
129-139	B 65 B	43/42	3-12	B 27 M	3/00	365	B 27 C		15	C 23 C	22/00		B 27 C	5/00
	B 67 C	3/00		B 27 C	9/00	366	B 27 L	7/00	16	C 23 C	22/00	31,32	B 23 B	5/00
140-143	B 65 B	57/02		B 27 M	3/00	367,368	B 27 M	1/08	17	C 23 C	22/00	33-35	B 23 B	3/28
144-191	B 65 B	43/42	13	B 27 M	3/02	369	B 27 L	5/02	18	C 23 C	22/00		B 27 C	5/00
	B 67 C	3/00	14	B 27 M	3/30			7/00	19	C 23 C	22/00	36	B 23 B	3/00
192-229	B 65 B	1/30	15-19	B 27 C	9/00	370	B 27 B	1/00	20	C 21 D	1/46	37-39	B 27 C	5/00
		3/28		B 27 M	3/00	371	B 27 M	1/00	20,3	C 21 D	1/56		B 23 B	3/28
		57/06		B 27 M	3/00	372	B 27 M	3/00	20,6	C 21 D	1/44	40	B 23 B	5/00
		57/14		B 43 L	23/00	373-375	B 27 L	11/00	21	C 21 D	1/56	41	B 23 B	3/28
230	B 67 C	3/00		B 43 L	23/02	376-379	B 27 B	1/00	22	C 23 K	35/22		B 27 C	5/00
	B 65 B	1/04		B 27 M	3/00	380	B 27 M	1/00	22,78,279	C 23 C	30/00	42	B 23 B	5/00
		3/04		A 01 G	23/08	381	B 27 H	1/00				43,44	B 23 B	3/28
231-249	B 67 C	3/18		B 27 B	5/00								B 27 C	5/00
	B 65 B	1/04		B 27 C	9/00	U.S. Class 147						45,46	B 23 B	3/00
		3/04		B 05 C	1/00	COOPERING						47	B 27 C	7/00
		37/00			3/00							48,49	B 27 C	7/06
250-284	B 67 C	3/00		B 27 F	5/00							50	B 27 C	7/00
	B 67 C	3/26		B 27 F	1/00							51,52	B 23 B	3/28
		3/34		B 27 C	3/00								B 27 C	5/00
285-296	B 65 B	1/04		B 27 C	1/00							53,54	B 27 C	7/04
		3/04		B 27 C	5/00							55	B 27 C	7/00
		3/00		B 27 G	13/00							56	B 23 B	27/00
297-300	B 67 C	39/00			17/00							57	B 27 C	7/04
	B 65 B	11/00		B 27 C	1/00									
	B 67 C	1/04		B 27 C	1/00									
301-330	B 65 B	3/04		B 27 L	11/00									
		3/00		A 47 J	49/02									
331-345	B 67 C	3/00		B 27 L	7/00									
	B 65 B	11/04		B 27 M	1/04									
346-392	B 65 B	1/04		B 27 F	1/08									
		3/00			1/16									
	B 67 C	3/00		B 27 L	1/00									
				B 27 L	5/00									
				B 27 G	5/00									
				B 27 G	13/00									
				B 27 G	13/00									
				B 27 B	33/00									
				B 27 G	13/00									
				B 27 B	33/00									
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				B 27 B	33/00									
				B 27 G	13/00									
				B 27 B	33/00									
				B 27 G	13/00									
				B 27 B	33/00									
				B 27 G	13									

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U.S. Class 148—Con.			906	C 21 D	9/36	73	C 06 B	31/06	20-39	B 60 B	9/00	458	B 60 C	9/00
		38/30			9/40	74	C 06 B	47/04	40-52	B 60 B	9/10			9/12
		38/34	907	C 21 D	9/00	75	C 06 B	29/00	53-68	B 60 B	9/18	500	B 60 C	5/02
		38/36	908	C 21 D	9/02	76	C 06 B	29/22	69-86	B 60 B	9/04			19/00
		38/40	909	C 21 D	9/08	77	C 06 B	29/02	87-112	B 60 B	9/08	501	B 60 C	5/00
		38/44			9/14	78	C 06 B	29/16	151	B 60 C				5/02
		38/45			9/00	79	C 06 B	29/20	152	B 60 C	17/00			19/00
		38/48				80	C 06 B	29/18	152.1	B 60 C	19/00	502	B 29 C	73/16
		38/50				81	C 06 B	29/14			19/08		B 60 C	19/12
		38/52				82	C 06 B	29/12	153	B 60 C	23/18	503-507	B 29 C	73/16
		38/56				83	C 06 B	29/08	154	B 60 C	19/00			73/22
		38/58				84	C 06 B	29/10	154.1	B 60 C	19/00		B 60 C	19/12
		38/22				85	C 06 B	29/04		F 16 F	15/32	508	B 29 C	73/18
334	C 22 C	38/44				86	C 06 B	29/06	154.2	B 60 C	11/24		B 60 C	23/00
335	C 22 C	38/08	1	C 06 B	47/00	87	C 06 B	27/00	155-166	B 60 C	5/00			23/10
336	C 22 C	38/00	2	C 06 B	45/00	88	C 06 B	25/00	167-184	B 60 C	7/22	509	B 29 C	73/18
337	C 22 C	38/12	3	C 06 B	45/18	89	C 06 B	25/36			9/00		B 60 C	19/12
		38/14	4	C 06 B	45/36	90	C 06 B	25/40			11/00			23/00
400	C 22 C	7/00	5	C 06 B	45/30	91	C 06 B	25/38			27/00			23/10
		11/00	6	C 06 B	45/32	92	C 06 B	25/34	185	B 60 C	7/22	510	B 60 C	5/02
		12/00	7,8	C 06 B	45/34	93	C 06 B	25/32			9/00			5/12
		20/00	9	C 06 B	45/20	94	C 06 B	25/28	185.1	B 60 C	7/22			19/12
		24/00	10	C 06 B	45/28	95	C 06 B	25/30			9/00	511	B 60 C	23/00
		25/00	11	C 06 B	45/22	96	C 06 B	25/18			7/22			5/02
		28/00	12	C 06 B	45/24	97	C 06 B	25/24			27/00	512	B 60 C	5/02
401	C 22 C	43/00	13	C 06 B	45/26	98	C 06 B	25/26			27/06			5/08
402,403	C 22 C		14	C 06 B	45/12	99	C 06 B	25/22			55/20	513	B 60 C	5/00
404	C 22 C	27/06	15	C 06 B	45/14	100	C 06 B	25/20			55/24			19/00
	C 22 F	3/00	16	C 06 B	45/16	101	C 06 B	25/10	186-207	B 60 C	7/22	514,515	B 60 C	5/00
405	C 22 C		17	C 06 B	45/04	102	C 06 B	25/12			9/00			19/00
406	C 22 C	23/00	18	C 06 B	45/06	103	C 06 B	25/16			27/00			19/04
407	C 22 C	14/00	19,1-19.93	C 06 B	45/10	104	C 06 B	25/14	208-245	B 60 C	11/00	516	B 60 C	17/00
		16/00	20	C 06 B	45/08	105	C 06 B	25/04			27/00	517	B 60 C	17/00
		27/00	21	C 06 B	45/02	106	C 06 B	25/06	246-329	B 60 C	7/00			17/04
408	C 22 C	19/07	22	C 06 B	43/00	107	C 06 B	25/08	331.1-338.1	B 60 C	5/00	518	B 60 C	17/01
409	C 22 C	19/03			47/10	108	D 03 D	23/00			5/20			17/02
410	C 22 C	19/05	23	C 06 B	41/00	108.2-109.6		43/00	339.1-342.1	B 60 C	19/00	519	B 60 C	17/02
411	C 22 C	9/00	24	C 06 B	41/02						5/00	520	B 60 C	17/02
412	C 22 C	9/02	25	C 06 B	41/10				343.1-345.1	B 60 C	5/22			17/04
413	C 22 C	9/04	26	C 06 B	41/08						19/00	521	B 60 C	17/00
414	C 22 C	9/06	27	C 06 B	41/04						5/00			17/10
415	C 22 C	21/00	28	C 06 B	41/06						5/18			19/00
416	C 22 C	21/12	29	C 06 B	39/00						19/00	522	B 60 C	17/00
417,418	C 22 C	21/06	30	C 06 B	39/06				367-373	B 29 C	73/00			17/08
		21/16	31	C 06 B	39/02	100	A 45 C	1/02	375-378	B 60 C	5/16	523	B 60 C	5/00
		30/00	32	C 06 B	39/04			3/06			7/24			13/00
419	C 22 C	23/00	33	C 06 B	37/00	101,102	A 45 C	13/18			25/00			13/02
420	C 22 C	14/00	34	C 06 B	37/02	103-105	A 45 C	3/08	379.3-380	B 60 B	21/10			19/00
421	C 22 C	16/00	35	C 06 B	35/00	106	A 45 C	13/08	381.3-381.6	B 60 B	15/02	524	B 60 C	13/00
		27/00	36	C 06 B	47/08			13/40			21/02			13/04
		27/02	37	C 06 B	33/00	107-110	A 45 C	15/00			15/02	525	B 60 C	1/00
422	C 22 C	27/04	38	C 06 B	33/08			13/26			15/06			5/00
423	C 22 C	27/06	39	C 06 B	33/10			13/30	382,383	B 60 B	21/10			13/00
		22/00	40	C 06 B	33/12	111	A 45 C	1/08	384-414	B 60 C	15/02	526	B 60 C	9/00
424	C 22 C	19/07	41	C 06 B	33/14	112-117	A 45 C	1/02			5/16			9/18
425	C 22 C	19/03	42	C 06 B	33/06			3/06			7/24			9/20
426	C 22 C	19/05	43	C 06 B	33/04	118	A 45 C	13/10	415-426	B 60 C	25/00			9/22
427,428	C 22 C	19/03	44	C 06 B	33/02	119	A 45 C	13/06			23/10	527	B 60 C	9/24
429	C 22 C	5/00	45	C 06 B	31/00			13/10	427	B 60 C	29/00			9/00
430	C 22 C	5/06	46	C 06 B	31/28	120-126	A 45 C	13/34			23/10			9/18
431	C 22 C	9/00	47	C 06 B	31/32			13/06			29/00			9/20
432	C 22 C	9/02	48	C 06 B	31/56	127-130	A 45 C	13/10	428	B 60 C	29/06			9/22
433	C 22 C	9/04	49	C 06 B	31/52			1/02			23/10			9/24
434	C 22 C	9/06	50	C 06 B	31/54			3/06	429	B 60 C	29/00			3/48
435	C 22 C	9/01	51	C 06 B	31/44			13/36			23/10	528,529	B 60 C	9/00
436	C 22 C	21/00	52	C 06 B	31/48	131	A 45 C	1/06			29/00			9/18
437	C 22 C	21/12	53	C 06 B	31/50			11/18	430,431	B 60 C	29/06			9/20
438	C 22 C	21/06	54	C 06 B	31/46	132-146	A 45 C	1/06			23/10			9/22
439	C 22 C	21/16	55	C 06 B	31/38	147-149	A 45 C	11/18	450	B 60 C	29/00			9/24
		18/00	56	C 06 B	31/42	150-153	A 45 C	1/00	451	B 60 C	5/00	530-533	B 60 C	9/26
440	C 22 C	30/00	57	C 06 B	31/40	154-168	B 65 D	65/02			9/00			9/00
441	C 22 C	10/00	58	C 06 B	31/34			85/00	452	B 60 C	3/48			9/18
442	C 22 C	3/00	59	C 06 B	31/36						5/01			9/20
900	C 21 D	3/02	60	C 06 B	31/30				453	B 60 C	19/00			9/22
	C 22 F	3/04	61	C 06 B	31/02				454	B 60 C	3/00	534	B 60 C	9/24
901	C 21 D	3/06	62	C 06 B	31/12						3/02			9/00
		3/08	63	C 06 B	31/22						3/04			9/09
		9/00	64	C 06 B	31/24						5/00			9/18
902	C 21 D	10/00	65	C 06 B	31/26	1	B 60 B	9/00			19/00			9/20
903	C 21 D	9/30	66	C 06 B	31/20	2-4	B 60 B	9/00	455,456	B 60 C	3/06			9/22
904	C 21 D	9/18	67	C 06 B	31/14			19/08			5/00	535	B 60 C	9/24
905	C 21 D	9/22	68	C 06 B	31/28	5-18	B 60 B	9/00			19/00			9/00
		9/24	69	C 06 B	31/16			15/04	457	B 60 C	3/08			9/06
			70	C 06 B	31/08			15/20			5/00			9/18
			71	C 06 B	31/10			19/02			19/00			9/20
			72	C 06 B	31/04	19	B 60 B	19/02			19/00			9/22

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U.S. Class 152—Con.														
		9/24	42	B 32 B	31/22	90	B 32 B	33/00	182	B 32 B	31/00	330.9-331.9	C 09 J	4/00
		9/00	43	B 32 B	3/18	91	B 32 B	7/04		C 09 J				101/00
536	B 60 C	9/12	44	B 32 B	5/20	92,93	B 32 B	7/08	183	B 31 F	1/12			201/00
		9/18	45	B 32 B	31/12	94	B 32 B	35/00	184-195	B 31 C		332-335	C 09 J	
		9/20	46	B 32 B	31/14	95,96	B 29 C	73/00		B 65 H	81/00	336-338	C 09 J	4/00
		9/22	47	H 01 B	3/24		B 32 B		196	B 31 F				101/00
		9/24	48	H 01 B	13/00		B 60 C	11/00	197	B 29 C	73/06			201/00
537	B 60 C	9/24				98	B 32 B	35/00			73/10	344	B 32 B	
		1/00	49	B 21 F	17/34	99,100	B 32 B	17/00		B 31 D	3/02	345	C 23 F	1/02
		9/00		H 01 R	15/02		C 03 C	27/00	198	B 29 C	49/00	346-348	B 28 B	
		9/18			3/00		G 02 B		199-202	B 31 F	1/00		B 32 B	13/00
		9/20			4/00	101-107	G 02 C	7/00	203	B 29 C	53/00	349-352	B 32 B	31/00
		9/22		H 02 G	43/00		B 32 B	17/00	204	B 31 F			G 05 G	15/00
		9/24	50	H 01 B	1/14			31/00	205,206	B 31 F	1/22	353-355	B 26 D	5/00
538	B 60 C	9/00	51	H 01 B	13/00	108	C 03 C	27/00	207	B 31 F	1/22		B 32 B	31/00
		9/18			7/02		B 60 J	1/00			1/32	356,357	B 05 B	
		9/20			13/06		E 06 B	3/00	208	B 31 F	1/22	358-360	B 32 B	31/00
		9/22	52	H 01 B	13/22			5/00	209	B 31 F			G 05 G	15/00
		9/24			13/10	109		7/00	210	B 31 F	1/20	361	B 32 B	31/00
539,540	B 60 C	15/00	53-56	H 01 B	13/26		C 03 C	27/00	211	B 31 F	1/00		B 65 H	26/00
541,542	B 60 C	15/06			13/06	110,1,111	E 06 B	3/24	212-215	B 65 C		362,363	B 32 B	31/00
543	B 60 C	5/16	57	A 01 N	1/00	112,113	B 29 C	35/00	216	B 32 B	3/04		B 65 C	9/40
		15/06			3/00	114	B 29 C	30/66	217,218	B 29 C	53/00	364	B 32 B	31/00
544	B 60 C	15/00	58,59	B 44 C		115	B 29 C	73/16	219-227	B 31 F		365-368	B 32 B	31/00
		15/024	60	B 31 B	1/60	116	B 29 B	17/00	228,229	B 29 C			G 05 B	
545	B 60 C	15/05		B 32 B	31/00	117	B 29 D	30/00	230	B 32 B	31/00	378	B 32 B	31/00
		13/00		B 65 B		118,119	B 29 C			B 44 C	1/165		G 01 D	
546	B 60 C	15/06		B 65 C		120,121	B 60 C	29/00	231	B 29 B		379	B 32 B	31/00
		15/06	61	A 41 G		122	B 29 C	65/00	232-241	B 44 C		379.6-380.9	B 27 G	11/02
		1/00		B 44 C		123	B 29 D	30/00	242,243	B 29 B			B 31 F	5/04
547	B 60 C	15/00		B 44 D		124	B 60 C	9/14	244.11-246	B 29 C	47/00		B 32 B	31/24
		9/02	62	B 32 B	31/00			9/16	247-249	B 32 B	31/00	381,382	B 32 B	31/00
548	B 60 C	9/00			35/00	125	B 29 C		250-275.7	C 09 J		383	B 32 B	
549	B 60 C	9/02		B 43 K		126,127	B 29 D	30/58		B 32 B	31/00	384-388	B 32 B	
		9/18	62.2-62.8	B 43 L		128.1-130.7	B 29 D	30/08	276	C 09 J			B 41 M	
		9/02		B 27 N	3/00	131,132	B 29 D	30/32	277	B 32 B	31/00	389-391	B 32 B	
550	B 60 C	9/00		B 31 D		133,134	B 29 D	30/16		B 41 M		392	B 32 B	
		9/02		B 32 B	17/00	135	B 29 D	30/32	278-280	B 05 B			B 65 H	81/00
551	B 60 C	9/00		D 21 J		136	B 29 D	30/48		B 32 B	31/00	393	B 32 B	
		9/02	63	B 44 C		137	B 29 D	17/00	281-284	B 32 B	31/00		D 03 D	
		15/00	64	B 32 B	31/00		F 16 G	1/00	285-287	C 09 J		394.1-396	B 60 C	9/00
552-554	B 60 C	9/00	65	E 06 B	9/26	138	F 16 G	1/00	288,289	B 29 C	65/00	397	B 29 D	30/08
		15/00	66	A 41 H	37/00	139-142	F 16 G	5/00		B 32 B	31/00	398-403	B 29 D	30/18
555	B 60 C	9/00		A 44 B	19/00	143,144	B 31 C			C 09 J		404	B 29 C	
		13/00	67	B 44 C		145	A 63 B	39/00	290	B 32 B	31/00	405.1-413	B 29 D	30/08
		17/00		B 44 D				41/00	291	B 32 B	7/14	414-419	B 29 D	30/24
556	B 60 C	9/00		B 44 F	1/00		B 32 B	31/00	292-294	B 32 B	31/00	420	B 29 D	30/16
557	B 60 C	9/00		C 09 K	11/00	146	A 63 B	39/00	295	B 32 B	31/00	421-421.8	B 29 D	30/00
		9/10	68	C 14 B	1/02			41/00		C 09 J		422	B 29 D	30/48
		9/12			15/00	147	A 63 B	39/00	296	B 32 B		423	B 29 C	
		9/13	69	B 65 B	7/00			41/00	297	B 32 B	31/00	424	H 01 K	
		9/14	70	A 41 H			B 32 B	31/00		B 65 C		425-432	B 31 C	
		9/16		B 32 B	3/00	148,149	B 32 B		298	B 32 B	31/00		B 65 H	81/00
558	B 60 C	9/04		B 65 B	11/00		D 03 D		299	B 32 B	31/00	433	B 65 H	
559	B 60 C	9/04	71	E 04 B	2/00	150,151	C 25 D			B 65 C		434	D 04 H	
		9/06		E 04 F	13/00	152	B 32 B	31/00	300-302	B 32 B	31/00		B 32 B	
		9/10	72	A 46 D	1/00		C 09 J		303	B 32 B	31/00	435	H 01 M	11/08
560	B 60 C	9/04		B 32 B	5/00	153,154	B 32 B	31/00		B 65 C		436	D 04 H	
		9/08		D 05 C	15/00	155	B 32 B	31/00	303.1	B 29 C			B 65 H	
561	B 60 C	9/04	73.1,73.2	B 32 B	31/16		C 09 J		304.1-304.7	B 29 C	65/00	437	D 04 H	
		9/09	73.3	B 32 B	31/18	156	B 65 C	3/26	305,306.3	C 09 J	5/00	438-440	B 29 C	
562	B 60 C	9/00	73.4	B 32 B	31/16	157	B 31 F	5/00	306.6,306.9	C 09 J	5/10		B 65 H	
		9/07	73.5	B 29 C	65/06		B 65 H	19/00	307.1	B 32 B	31/26	441,441.5	D 04 H	
		9/10	73.6,74	B 32 B	31/16			69/02	307.3-307.5	C 09 J	5/02	442	B 43 M	3/00
563	B 60 C	9/11	75	B 32 B	31/00		G 03 D	15/04	307.7	B 32 B	31/26	442.1-442.3	B 43 M	3/00
		9/14		G 01 M	1/00	158	B 65 H	69/02	308.2,308.4	B 32 B	31/20	442.4	B 43 M	
		9/14	76	D 21 H	23/00	159	B 31 F	5/00	308.6-309.3	C 09 J	5/02	443	B 31 F	
564,565	B 60 C	1/00			27/06		G 03 D	15/04	309.6,309.9	B 32 B	31/20		B 65 C	
		9/02	77-79	B 32 B	5/18	160	B 32 B	31/00	310	B 32 B	7/00	444	B 65 C	9/28
					31/14		C 09 J		311,312	C 09 J	5/00	445	A 63 B	
			80	B 29 C	65/00	161	B 32 B		313	C 09 J	7/00	446	B 65 C	3/12
			81	A 63 B	37/02		B 65 H	81/00	314-319	C 09 J	5/04			3/16
					39/00	162	B 31 C		320	B 65 C	9/25			9/04
				B 32 B	1/06	163	B 32 B	31/00			11/06	447	B 65 C	9/06
			82	B 32 B	31/12		C 09 J		321	C 09 J	5/06	448-456	B 65 C	9/04
					31/26	164	B 32 B	31/08		B 29 C	67/00	457	B 65 C	3/12
				B 44 D	5/00	165	B 32 B	31/00	322-324	C 09 J	5/06			3/16
			83	B 32 B	31/02	166	B 32 B			B 65 C	9/25			9/04
1	B 31 B	1/60			31/14	167	D 04 H	3/16		C 09 J	5/00	458	B 65 C	9/04
39	B 32 B	13/00	84-87	B 32 B	31/00	168	D 04 H		324.4	C 09 J	5/02	459	B 31 F	1/00
		31/00	88	D 03 D	47/50	169-175	B 31 C		325-327	C 09 J		460	B 29 D	29/06
		31/06		D 06 C	25/00		B 65 H	81/00	328	C 09 J	4/00			30/48
40	B 32 B	1/00	89	C 03 B	29/00	176-179	B 32 B	5/00			101/00	461	B 31 F	1/00
		31/14		C 04 B	33/34			29/02			201/00	462	B 31 F	1/20
41	B 32 B	31/12			37/00	180,181	D 04 H	3/08	329,330	C 09 J		463	B 31 F	

U.S. Class 156

ADHESIVE BONDING AND
MISCELLANEOUS CHEMICAL
MANUFACTURE

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 156—Con.														
464	B 32 B	31/00	620.3	C 30 B	29/40	664-666	B 44 C	1/22	36-41	B 01 L	7/00	181-187	E 05 D	15/00
	B 65 C				29/48		C 23 F	1/00		B 01 D	1/00		E 06 B	3/48
465	B 31 F	1/00			15/00			3/00	42	B 01 D	1/30			3/96
466	B 29 D	23/00	620.4	C 30 B	29/06	667	C 23 F	1/00	43-44	B 01 D	1/00	188-193	E 05 F	11/00
	B 31 F				29/08	668	B 29 C	37/00	45	B 01 D	1/00			13/00
467,468	B 31 F		620.5	C 30 B	29/06	906,907	B 29 D	30/38			9/00	194-198	E 05 D	15/06
469-473	B 31 F	1/00			29/00	909	B 29 C		46	B 01 D	1/00	199	E 05 D	15/26
474	B 31 F	1/20	620.7,620.71	C 30 B	13/00				47.1-47.3	F 26 B	7/00	200	E 05 D	15/06
		1/32	620.72	C 30 B	13/22	U.S. Class 157			48.1	B 01 D	1/16		E 06 B	3/48
475	B 65 C				13/24	WHEELWRIGHT MACHINES			48.2	F 26 B	3/12	201-205	E 05 D	15/06
476	B 32 B		620.73-620.75	C 30 B	13/20				49	B 01 D	1/22			15/16
477.1	B 42 C	9/00	620.76	C 30 B	13/14	1	B 27 H	7/00				206,207	E 05 D	15/26
	B 65 C	3/00	621-624	C 30 B	7/00		B 60 C		U.S. Class 160			208-213	E 05 D	15/00
478	B 32 B	3/04			9/00	1.1	B 60 C	25/00	CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE					15/26
	B 65 C				11/00			25/05	1-9	E 05 F	15/20	214	E 05 D	15/00
479,480	B 32 B	3/04			13/00			25/132	10	G 08 B	13/08	215-228	E 06 B	3/12
481	B 32 B				17/00			25/15	11	A 47 L	1/00			9/00
	B 65 C				19/00	1.11	B 60 B	30/10	12-17	E 06 B	9/52	229.1	E 06 B	3/48
482-493	B 65 C				21/00		B 60 C	25/132	19	E 06 B	9/00			7/086
494-496	B 32 B	31/00	625	B 44 C	1/22	1.13-1.2	B 60 C	25/132	20-22	E 04 F	10/00	230	E 06 B	3/12
497-499	B 32 B	31/00			3/00	1.21	B 60 C	25/12	23.1	E 06 B	9/00			9/00
	C 09 J		626,627	H 01 L	21/306	1.22,1.24	B 60 C	25/135		E 04 F	10/06	231,1,231.2	E 06 B	3/48
500	B 29 B		628-632	B 44 C	1/22	1.26	B 60 C	25/125	24-31	E 06 B	9/08			7/086
501	B 29 B	15/00			15/00			25/13	32-36	A 47 H	1/00	232-236	E 06 B	3/12
502	B 31 F	5/00			25/06			25/132	37-39	E 04 F	9/26			9/00
	B 65 H	19/00			21/306	1.28	B 60 C	25/132	40-43	E 06 B	9/26	237	A 47 H	23/00
		69/02	633	H 01 L	1/22			25/132	44	E 06 B	7/14	238-265	A 47 G	5/02
503	G 03 D	15/04		B 44 C	15/00	1.3	B 60 C	25/04	45-54	E 04 F	10/00			1/00
504	B 29 C			C 03 C	15/00	1.33-1.49	B 60 C	25/132	55	E 06 B	9/00	266	A 47 H	3/00
505,506	B 31 F	5/00			25/06	1.5,1.55	B 21 K	1/34	56,57	E 04 F	10/02			9/17
	G 03 D	15/04			21/312	2-4	B 27 H	7/00	58.1	E 04 F	10/04	267,1,268.1	A 47 G	5/02
507-509	G 03 D	15/04	634	B 44 C	1/22	5,7	B 60 C	25/20			7/14			9/56
510-527	B 32 B	31/00		C 23 F	1/00	8-10	B 27 H	7/00	59,60	E 04 F	10/00	269-272	E 06 B	3/00
528	B 43 M			H 01 L	21/306	11	B 60 C	25/00	61	E 04 F	10/08			9/17
529-535	B 32 B	31/00	635-639	B 44 C	1/22	12	B 27 H	7/00	62	E 04 F	10/02	273.1	A 47 G	5/02
536	B 32 B			C 03 C	15/00	13	B 29 D	30/68	63	E 04 F	10/02			9/56
537-539	B 32 B	31/00			25/06	14	B 60 B	30/00	64,65	E 04 F	10/06	274-289	A 47 H	3/00
540-542	B 44 C			C 23 F	1/00		B 60 C	25/00	66-75	E 04 F	10/02			9/17
543-553	B 32 B	31/04		H 01 L	21/306	15	B 60 C	25/00	76	E 04 F	10/02	290.1	A 47 G	5/02
554,555	B 31 F	5/00	640,641	B 41 C	1/00	16	B 60 B	30/06	77-83.1	E 04 F	10/00			9/56
	B 32 B	31/04		B 44 C	1/22	17-21	B 60 C	25/00	84.1-84.3	A 47 H	5/00	291-308	E 06 B	9/56
556	B 31 F	5/00		C 03 C	15/00					E 06 B	3/48	309-322	A 47 G	5/02
	B 32 B	31/00			25/06	U.S. Class 159					3/94			1/13
	B 65 H	29/00			21/306	CONCENTRATING EVAPORATORS					9/06	323.1	A 47 G	5/02
557-563	B 32 B	31/00	642,643	B 44 C	1/22				85,86	A 47 H	1/00			9/56
564,565	B 65 C	9/08		C 03 C	15/00	1.1	B 01 B	1/00	87-107	A 47 H	1/00	324,325	E 06 B	9/56
566-568	B 65 C	9/00			25/06	2.1	B 01 D	1/00		E 06 B	3/32	326	E 06 B	1/13
569	B 65 H	9/08		C 23 F	1/00	2.2	B 01 D	1/00	108-112	A 47 H	1/00	327-329	E 06 B	9/56
				H 01 L	21/306	2.3	B 01 D	1/00		E 06 B	9/08			3/80
570-573	B 65 C	9/08	644	B 23 P	15/00			1/28	113-119	E 06 B	3/48			9/56
574-577	B 44 C	7/00		C 03 C	25/06	3	B 01 D	1/00	120	A 47 H	1/00	330-332	A 47 H	1/00
		7/04		C 23 F	1/00	4.01-4.09	B 01 B	1/00		E 06 B	9/08			9/56
		7/06	645-647	B 44 C	1/22	4.1-4.4	B 01 D	1/16	121.1	E 06 B	9/08	333-339	A 47 H	1/00
		7/08		C 03 C	15/00	5-7	B 01 D	1/22	122	A 47 H	1/00			5/00
578	E 04 D	15/00			25/06	8	B 01 D	1/14		E 06 B	9/08	340,341	A 47 H	5/04
579	B 65 C	11/04		C 23 F	1/00	9.1-15	B 01 D	1/22	123-126	A 47 H	1/00	342	A 47 H	5/06
	B 32 B	31/00	648,649	H 01 L	21/306	16.1-16.3	B 01 D	1/14	127,128	E 06 B	9/00	343	A 47 H	5/00
	C 09 J			H 01 L	21/312	17.1-17.4	B 01 D	1/26	129-132	E 06 B	9/00	344-347	A 47 H	13/14
580	B 23 K	37/00	650-653	B 44 C	1/22	18	B 01 D	1/00			9/08	348	A 47 H	1/00
	B 30 B			C 03 C	15/00	19-20.2	B 01 D	1/26	133	E 06 B	9/08	349.1	A 47 H	23/01
	B 32 B	31/00			25/06	21	B 01 D	1/00	134	E 06 B	3/94			19/00
580.1-582	B 32 B	31/00		C 23 F	1/00	22-24.3	B 01 D	1/00	135	A 47 G	5/00	349.2	A 47 H	7/00
583.1-583.91	B 30 B	5/02		H 01 L	21/306	25.1,25.2	C 13 G	1/00	136-165	E 06 B	3/92	350	A 47 G	5/00
		5/04		C 03 C	15/00	26.1,26.2	B 01 D	1/00	166,1,167	E 06 B	9/26	351	A 47 G	5/00
		15/34	654,655	B 44 C	1/22	27.1-27.5	B 01 D	1/06	168.1	E 06 B	9/30	352	E 06 B	9/24
584	B 32 B			H 01 L	21/312	28.1-29	B 01 D	1/00			9/36	353	A 47 G	5/00
598	B 32 B	31/00	656	B 44 C	1/22	30	B 01 D	1/00	169-173	E 06 B	9/30			3/30
600-615	C 30 B			C 23 F	1/00	31	B 01 D	1/00	174-176.1	E 06 B	9/26			9/24
616.1	C 30 B	21/00		H 01 L	21/312	32	B 01 D	1/00	177	E 06 B	9/38	354	A 47 H	23/00
616.2	C 30 B	29/06	657	B 44 C	1/22	28.1-29	B 01 D	1/00	178.1	E 06 B	9/30			13/00
		29/08		C 03 C	15/00	30	B 01 D	1/30			9/36	368.1	A 47 H	15/00
616.3	C 30 B	11/14			25/06	31	B 01 D	1/00	178.2	E 06 B	9/324			3/00
		17/00		H 01 L	21/312	32	B 01 D	1/00	178.3	E 06 B	9/382			9/00
616.4	C 30 B	11/00	658	B 44 C	1/22	33	C 13 G	1/00			9/384	368.2	A 47 G	9/00
		21/00	659.1-661.1	B 44 C	1/22	34	B 01 D	1/00			3/80	369,370	A 47 H	3/00
		21/02		C 03 C	15/00	35	B 01 D	1/00			7/28			15/00
616.41	C 30 B	21/00			25/06									
		21/02		C 23 F	1/00									
617.1	C 30 B	15/00		H 01 L	21/312									
618.1	C 30 B	15/06	662,663	B 44 C	1/22									
619.1	C 30 B	15/00		C 03 C	15/00									
620.1	C 30 B	15/34			25/06									
620.2	C 30 B	15/00		H 01 L	21/306									

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 160—Con.			62	D 21 C	7/12			25/00			25/00	250	D 21 C	7/10
	E 06 B	3/00		G 01 N				27/00			27/00	251	D 21 C	7/00
370.1	B 60 J	5/00	63-71	D 21 C		115-117	D 21 F	11/00	183-186	D 21 F	11/00	252,253	D 21 F	7/08
	E 06 B	5/00	72	D 21 C	3/20			13/00		D 21 H	11/00		D 21 F	7/00
370.2	B 60 J	1/20	73	D 21 C	3/18			11/00			13/00	254	D 21 D	
		3/00			3/20			13/00			15/00	255	D 21 F	7/04
		11/00	74-77	D 21 C	3/20			15/00			17/00	256,257	D 21 F	
371-381	A 47 G	5/00	78-80	D 21 C	3/00			17/00			19/00		D 21 J	
	E 06 B	3/30	81	D 21 C	3/16			19/00			21/00	258	D 21 F	1/08
		9/24	82	D 21 C	3/00			21/00			23/00	259	D 21 F	1/06
382	A 47 H	3/00	83	D 21 C	3/04			23/00			25/00	260	D 21 F	
		23/00	84	D 21 C	3/04			25/00			27/00		D 21 J	
383-404	A 47 H	13/00			3/26	118	B 31 C	27/00	187	D 21 H	11/00	261	D 21 D	1/00
405	A 47 H	33/00	85	D 21 C	3/18		D 21 F	5/00			13/00		D 21 F	
900	E 06 B	9/36	86	D 21 C	3/02		D 21 H	11/00			15/00	262	D 21 F	7/02
901	E 06 B	9/302			3/04			13/00			17/00	263	D 21 F	7/06
902	E 06 B	9/323			3/26			15/00			19/00	264	D 21 F	1/66
903	A 47 H	1/13	87	D 21 C	3/18			17/00			21/00	265,266	D 21 H	11/00
	E 06 B	9/17	88	D 21 C	3/18			19/00			23/00			13/00
904-913	E 04 F	10/00			3/26			21/00			25/00			15/00
			89	D 21 C	3/02			23/00			27/00			17/00
					3/26			25/00	188	D 21 H	11/00			19/00
			90	D 21 C	3/02			27/00			13/00			21/00
U.S. Class 162			91	D 01 C		119-122	D 21 F	13/00			15/00			23/00
PAPER MAKING AND FIBER LIBERATION				D 21 C			D 21 H	11/00			17/00			27/00
			92	D 01 B	1/50			13/00			19/00	267,268	D 21 H	11/00
1	D 01 B			D 01 C	1/00			15/00			21/00			13/00
	D 01 C		93-97	D 01 C	1/00			17/00			23/00			15/00
	D 21 B			D 21 C	5/00			19/00			25/00			17/00
	D 21 C		98	D 01 B				21/00			27/00			19/00
2	D 01 C	3/00		D 01 C	1/02			23/00	189-191	D 21 F	1/66			21/00
3	C 03 B	37/00		D 21 C	5/00			25/00	192	D 21 D				23/00
4	D 21 B	1/08	99	D 01 C	1/00			27/00		D 21 F	1/64			25/00
		1/32		D 21 C	5/00					D 21 J				27/00
	D 21 C	5/02	100	D 21 F		123-138	D 21 J	5/00		D 21 F			D 21 J	1/00
5-8	D 21 C	5/02		D 21 H	23/00		D 21 F	11/00	193	D 21 F	1/36			
9	D 21 C	9/00		D 21 J				13/00	194,195	D 21 F	11/00	269-271	D 21 F	
10,11	D 21 H	9/00	101,102	D 21 H	11/00		D 21 H	11/00		D 21 J	1/02		D 21 H	
	D 21 H	23/00			13/00			13/00	196	D 21 F	7/00		D 21 J	
12	D 21 H	23/00			15/00			17/00			11/00	272,273	D 21 F	
13	D 21 C	3/00			17/00			19/00	197	D 21 F	11/00	274-279	D 21 F	1/32
	D 21 F				19/00			21/00	198	D 21 F	11/00		B 31 F	1/12
14	D 21 C	11/00			21/00			23/00			13/00		D 21 G	
15	D 21 C	11/06			23/00			25/00	199,200	D 21 F	1/32	281,282	B 31 F	1/12
16	D 21 C	11/00			25/00			27/00	201	D 21 F			B 31 F	1/29
17-19	D 21 C	3/26			27/00	139-153	D 21 F	11/00		D 21 H			D 21 G	3/04
20	D 01 B	1/14	103	B 32 B	5/20		D 21 H	11/00		D 21 J		283	B 31 C	11/00
	D 21 C			D 21 H	23/00			13/00	202	D 21 F	11/00		B 65 H	27/00
21,22	D 21 B	1/36	104-109	D 21 H	11/00			15/00	203	D 21 F	11/04		D 21 G	9/00
23	D 21 B	1/12			13/00			17/00			11/00	284,285	B 31 C	1/00
		1/30			15/00			19/00	204-207	D 21 F	11/00			3/00
24,25	D 21 B	1/16			17/00			21/00		D 21 J		286	B 26 D	1/00
26,27	D 21 B	1/04			19/00			23/00	208	D 21 F	11/00			3/00
28	D 21 B	1/04			21/00			25/00		D 21 J	1/00			
	D 21 C	3/26			23/00			27/00	209	D 21 F	1/18		B 26 F	
29	D 21 C	11/00			25/00						11/00	287	B 31 F	1/00
30,1-35	D 21 C	11/12			27/00	154	C 04 B	14/40	210-216	D 21 F	1/00			7/00
		11/14			1/44		D 21 F	11/00			11/00	288	D 21 J	3/00
36	D 21 C	11/02	110	D 21 F	11/00		D 21 H	13/00	217	D 21 F	1/48	289	D 21 F	
		11/12		D 21 H	13/00			15/00			11/00	290	D 21 F	5/00
		11/14			15/00			17/00	218-224	D 21 F	13/00			9/00
37-46	D 21 C				17/00			19/00		D 21 J	3/00	291-304	D 21 F	1/00
47	D 21 C	11/06			19/00			21/00				305	D 21 F	3/00
48	D 21 C	7/14			21/00			23/00	225	D 21 F	13/00			9/00
49	D 21 C	7/14			23/00			25/00		D 21 J	1/06	306,307	D 21 F	2/00
50	D 21 C	5/00			25/00			27/00	226	D 21 J	1/06	308	D 21 F	5/00
51	D 21 C	11/08			27/00	155-157.7	D 21 F	11/00			3/00		D 21 J	
52	D 21 C	1/10	111-113	B 31 F	1/12		D 21 H	11/00	227	D 21 J	1/04	309-311	D 21 F	
		5/00		D 21 H	11/00			13/00			3/00		D 21 H	11/00
		7/06			13/00			15/00	228,229	D 21 G				13/00
		7/08			15/00			17/00		D 21 J	3/00			15/00
53,54	D 21 C	1/10			17/00			19/00			5/00			17/00
		5/00			19/00			21/00		D 21 F	11/00			19/00
		5/02			21/00			23/00	230					21/00
		9/08			23/00			25/00	231	D 21 H				23/00
55	D 21 C	9/08			25/00			27/00		D 21 J				25/00
56	D 21 C	5/00			27/00	158	D 21 F	11/00	232	D 21 F				27/00
		9/00	114	D 21 F	11/00		D 21 H	23/00	233-237	D 21 C	7/00	312-314	D 21 F	1/44
57,58	D 21 C	3/22		D 21 H	11/00	159-182	D 21 H	11/00		D 21 C	7/12		D 21 H	11/00
		7/00			13/00			13/00	238	D 21 C	7/00			13/00
59	D 21 C	7/14			15/00			15/00	239-242	D 21 C	7/14			15/00
60	D 21 C	9/02			17/00			17/00		D 21 C	7/02			17/00
61	D 21 C	7/12			19/00			19/00	243	D 21 C	7/02			19/00
	G 01 N				21/00			21/00	244	D 21 C	7/06			21/00
	G 05 B				23/00			23/00	245	D 21 C	7/06			23/00
									246,247	D 21 C	7/08			25/00
											7/14			
									248,249	D 21 C				

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U.S.			IPC			U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 162—Con.						7.1,7.2	B 22 C	9/00	141	B 41 D	3/20			47/00	410	B 22 C	23/00						
		27/00	8	B 22 D	18/06	142	B 41 D	3/24	270.1	B 22 D				411	B 22 C	21/14							
315-317	D 21 J	1/00	9-11	B 22 C	9/04	143	B 41 D	3/22	271	B 22 D	11/00			412	B 22 C								
318,319	D 21 F	1/04	12	B 22 D	7/02	144	B 41 D	3/00	272	B 22 D	45/00				B 22 D								
320	D 21 F	1/00	13	B 22 C	9/12	145	B 41 D	3/28	284,285	B 22 D	13/00			413,414	B 22 D	11/16							
321	D 21 F	1/04	14	B 22 C	7/00	146	B 22 D	3/00			17/00			415	B 22 D	11/00							
		1/60	15-17	B 22 C	9/00			11/07	286,287	B 22 D	13/00			416	B 22 D	11/04							
322	D 21 F	1/00	18	B 22 C	25/00	147.1-149	B 22 D	11/07			13/12			417	B 22 D	11/12							
323-333	D 21 F	1/04	19-21	B 22 C	15/20	150-157	B 22 C	19/04			13/00			418	B 22 D	11/00							
		1/60	22	B 22 C	15/22			25/00			19/00			419	B 22 D	19/00							
334	D 21 F	1/04	23,24	B 22 C	1/00			2/00			13/06			420,421	B 22 D	11/00							
		1/50			9/00			11/16			13/00			422	B 22 D	13/02							
		1/56	27-29	B 22 C	9/00			13/12			13/10			423	B 22 D	11/12							
335	D 21 F	1/04	30-32	B 22 C	9/10			296			13/00			424	B 22 D	11/08							
		1/48	33	B 22 C	9/12			297			13/10			425,426	B 22 D	11/06							
		1/60	34-36	B 22 C	9/02			46/00			13/00			427-434	B 22 D	11/04							
336-340	D 21 F	1/00	37	B 22 C	15/00	158	B 41 C				13/10			435,436	B 22 D	11/10							
		1/06	38	B 22 C	15/28			298			17/00			437-440	B 22 D	11/12							
341,342	D 21 F	1/18	39	B 22 C	15/10			299-301			17/04			441,442	B 22 D	11/12							
343-347	D 21 F	1/06	40	B 22 C	15/00	159	B 22 C				17/00			443,444	B 22 D	11/124							
348,349	D 21 F	1/10	44	B 22 C	9/00	160.1,160.2	B 22 C				17/04			445,446	B 22 D	11/08							

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 165—Con.														
3	F 24 F	3/14	115,116	A 23 C	3/04	57-62	E 21 B	43/02	245	E 21 B	43/00			33/035
4,5	F 23 L	15/02		F 28 D			E 21 B	36/00			43/30			33/037
	F 28 D	17/00	117	A 23 C	3/04		E 21 F	1/00	246	E 21 B	43/22			33/038
6-9,4	F 23 L	15/02	118	F 28 D	3/02	63,64	E 21 B	3/00	247-249	E 21 B	43/00			33/043
10	F 28 D	17/00		A 23 C	3/04		E 21 B	29/02	250-252	E 21 B	47/00			33/064
		19/00	119	F 28 D	3/00			43/00	253	E 21 B	33/13			33/076
11,1,11.2	F 28 F			F 28 F	13/12	65.1	E 21 B	29/02			47/09			34/04
12	F 28 D		120,121	F 24 H	3/02			43/00	254	E 21 B	47/00			41/04
	F 28 F			F 28 F		66	E 21 B	29/02			47/09			43/01
13	F 28 D		122	F 24 H	3/06	66.4	E 21 B	4/04	255	E 21 B	47/00	367	E 21 B	43/36
	F 28 F	27/00		F 28 F	13/12	66.5	E 21 B		256,257	E 21 B	43/24	368	E 21 B	7/12
14	F 25 B	29/00	123	F 24 F	3/04	67,68	E 21 B	33/03	258	E 21 B	43/14			29/12
	F 28 F			F 28 F	13/12			33/068			43/24			33/035
15	B 64 D	13/04	124-127	F 24 B	1/06			33/072	259	E 21 B	43/24	369-372	E 21 B	43/00
		13/08		F 28 F	13/12			43/00			43/26	373	E 21 B	34/06
16,17	F 25 B	29/00	128	F 24 H	3/00	68.5	E 21 B	43/00	260-262	E 21 B	43/24	374,375	E 21 B	34/10
18	F 24 D	11/00			9/02	69	E 21 B	33/03	263	E 21 B	43/00	376	E 21 B	29/00
19-21	F 24 F	3/14	129	F 24 H	9/02			35/00	264	E 21 B	47/00	377,378	E 21 B	19/00
22	F 24 F	3/00	130	F 24 H	3/00	70	E 21 B	23/08			49/08			23/00
23	B 60 H	1/32		F 28 F	9/26			33/05	265	E 21 B	43/00	379	E 21 B	19/00
24-31	F 25 B	29/00	131	F 24 H	3/00	71-97	E 21 B	33/00			43/34	380	E 21 B	19/16
32-37	G 05 D	23/00	132	F 28 D	1/06			33/03	266	E 21 B	43/38	381,382	E 21 B	23/00
38	G 05 D	15/00	133	F 28 F	13/18			33/04			43/00	383	E 21 B	23/08
39,40	B 60 H	1/00			19/02			33/047			43/34	384,385	E 21 B	19/00
	B 61 D	27/00	134.1	F 28 F	19/00			34/16			43/40	386,387	E 21 B	33/12
41	F 28 F		135,136	F 28 F	13/00			43/10	267	E 21 B	43/00	901	E 21 B	
42-44	B 60 H	3/00	137-139	F 28 F	7/00	97.5	E 21 B	33/047	268,269	E 21 B	43/16	902	E 21 B	41/02
	B 61 D	27/00	140,141	F 28 D	7/10	98	E 21 B	31/00	270	E 21 B	43/22			
45	F 28 D		142	F 28 D	7/12			31/12			43/27			
46	F 28 F	7/00	143,144	F 28 F	9/26			34/00	271	E 21 B	43/26			
47	F 24 H	3/00	145	F 28 F	9/22			34/02	272	E 21 B	43/24			
48,1,48.2	F 25 B	29/00	146	F 28 F	13/00	99	E 21 B	31/08	273-275	E 21 B	43/16			
49	F 24 D	19/02	147	F 28 F	13/08	100,101	E 21 B	33/12	276	E 21 B	43/02			
	F 24 H	9/06	148-150	F 28 D	1/00			49/10	277	E 21 B	29/00			
50	F 24 F	3/00	151	F 28 D	1/04			43/00	278	E 21 B	43/04	1	A 01 L	15/00
51	F 01 P		152,153	F 28 D	1/02	102-106	E 21 B	27/00	279	A 47 B	43/00	2	A 01 L	3/06
52	F 02 P		154	F 28 D	7/10	107-111	E 21 B	43/00	280	E 21 B	43/26	3	A 01 L	1/00
53	F 24 D	5/10	155	F 28 D		112,113	E 21 B	33/12			43/267	4	A 01 L	3/00
		19/02	156	F 28 D	7/12	114-116	E 21 B	33/13	281	E 21 B	33/13			5/00
	F 24 H	9/06	157	F 28 D	7/10	117	E 21 B	7/06			43/26	5	A 01 L	9/00
54	F 24 H	3/02	158	F 28 F	9/02	117.5,117.6	E 21 B	23/03	282	E 21 B	43/22	6-10	A 01 L	1/04
55	F 24 D	19/02	159-161	F 28 D	7/00			23/12	283	E 21 B	43/26			3/04
		19/06		F 28 F	9/22			31/14	284	E 21 B	33/13	11	A 01 L	1/00
	F 24 H	9/06	162	F 28 D	7/00	117.7	E 21 B	43/00	285	E 21 B	33/00			3/00
56,57	F 24 H			F 28 F	9/00	118-152	E 21 B	23/00	286-295	E 21 B	33/13	12-16	A 01 L	7/02
58	F 25 B	29/00	163	F 28 D	7/02			23/02	296	E 21 B	43/10	17-22	A 01 L	3/00
59	F 24 F	7/00	164,165	F 28 F	3/00			23/04	297,298	E 21 B	29/00	23	A 01 L	3/00
60	F 24 F	3/14	166	F 28 F	3/08			33/12			29/10			7/10
61	F 25 B	29/00	167	F 28 F	3/12			33/13			43/11	24,25	A 01 L	1/00
62	F 25 B	13/00	168,169	F 28 F	3/14			49/00	299	E 21 B	29/02	26	A 01 L	7/00
63-65	F 25 B	29/00	170	F 28 F	1/32	153-156	E 21 B	23/10			43/263	27	A 01 L	7/02
66	A 23 C	3/02	171	F 28 F	1/10			37/04	300	E 21 B	43/27			15/00
67,68	F 28 F	9/00	172	F 28 F	9/02			37/10	301	E 21 B	41/00	28	A 01 L	7/02
69	F 28 F	7/00	173-175	F 28 D	7/06			3/12			43/24	29-43	A 01 L	7/04
70	F 28 F	11/00	176	F 28 F	1/00	157,158	E 03 B	43/00	302	E 21 B	36/00	44	A 01 L	7/00
71	F 16 F	1/34	177	F 28 F	9/04	162-169	E 21 B	27/00	303	E 21 B	43/24	45-48	A 01 L	11/00
72-75	F 28 D	1/06	178	F 28 F	1/42			33/132			36/00			
76-83	F 28 F	7/00	179	F 28 F	21/00	170-176	E 21 B	37/00			43/20			
84	F 28 D	11/06	180	F 28 F	1/20			37/02	304	E 21 B	37/06			
	F 28 G	7/00	181	F 28 F	1/30			37/08			43/00			
85	F 24 H	3/02	182	F 28 F	1/14			43/25	305.1	E 21 B	43/16			
	F 28 F	25/10	183,184	F 28 F	1/36	177	E 21 B	23/00			43/26			
86	F 28 D	11/00	185	F 28 F	7/00	178	E 21 B	31/107			43/25	5-18	A 62 C	35/00
	F 28 F	5/00	186	F 28 F				31/113	306,307	E 21 B	43/25	19-22	A 62 C	37/36
87	F 28 F	5/06						23/00			43/17	23	G 08 B	
88	F 28 D	11/08				179-203	E 21 B	33/12	308	E 21 B	43/26	24,25	A 62 C	27/00
89	F 28 D	11/02				205	E 03 B	3/18			43/00	26-29	A 62 C	35/02
	F 28 F	5/02					E 21 B	43/00	309,310	E 21 B	21/00	30,33	A 62 C	11/00
90,91	F 28 D	11/02				206-208	E 21 B	23/02	311,312	E 21 B	37/00	34	A 62 C	8/00
92,93	F 28 F							43/10			37/08	35	A 62 C	13/62
94	F 28 F	17/00						40/00	313	E 21 B	43/00			13/66
	F 28 G		50	E 03 B	3/11			23/00			43/12	36	A 62 C	8/00
95	F 28 G		51	E 21 B	43/04	209-211	E 21 B	23/00			43/32	37-41	A 62 C	37/08
96	F 28 F	27/00	52-54	E 21 B		212-217	E 21 B	23/04			33/00	42	A 62 C	37/36
97	F 28 F	27/02	54.1	E 21 B	43/00			21/00	316-334	E 21 B	34/00	43-47	A 62 C	2/00
98,99	F 01 P	7/10	54.5,54.6	E 21 B	29/00	222,223	E 21 B	3/18			34/06			3/00
100-103	F 28 F	27/02						43/00			34/08	48-50	A 62 C	8/00
104,11-104.15	F 28 D	15/00				227-236	E 03 B	23/00			34/10	51-53	A 62 C	25/00
104.16	F 28 D	13/00	55-55.8	E 21 B	29/00			17/10			43/00			27/00
104.17-104.34	F 28 D	15/00				237-240	E 21 B	17/14			43/00			29/00
108	F 28 F	13/06				241	E 21 B	43/00	335-366	E 21 B	7/12	54,55	A 62 C	
109.1	F 28 F	13/12				242	E 21 B				29/12	56	A 62 C	37/00
110	F 28 B	1/00				243	E 21 B							
111-114	F 28 B	3/00	56	E 03 B	3/18	244.1	E 21 B							

U.S. Class 168

FARRIERY

U.S. Class 169

FIRE-EXTINGUISHERS

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 169—Con.			3	A 01 B	67/00			5/08			35/28	811	E 02 F	3/76
			4	A 01 B	63/111			5/14			39/08	812,813	E 02 F	3/85
	G 01 K	37/12	4.5	E 02 F	3/76	233-235	A 01 B	13/06			41/04	814-832	E 02 F	3/76
57	A 62 C	37/12	5.6	A 01 B	63/00			13/16	540-556	A 01 B	21/02	833,834	A 01 B	59/048
58	A 62 C	37/14	7-12	A 01 B	63/112	236-238	A 01 B	63/00	557	A 01 B	5/00			
59	A 62 C	37/12	13-15	A 01 D	15/00	239	A 01 B	63/111			7/00			
60,61	A 62 C	37/10			21/00	240-244	A 01 B	63/00			15/16			
62	A 62 C	3/07			23/00			73/00			21/00			
		3/08			27/00	245-255	A 01 B	63/00			23/06			
		35/00			34/00	256-260	A 01 B	69/00			35/16			
63-70	A 62 C		16	E 01 H	8/00	260.5	A 01 B	61/04			35/28			
71	A 62 C	13/62	17,18	A 01 D	15/00	261-271	A 01 B	61/00			39/08			
		13/66			21/00	272-275	A 01 B	51/00	558-566	A 01 B	15/16			
72,73	A 62 C				23/00	278-291	A 01 B	69/00			23/06			
74	A 62 C	31/02			27/00	292	A 01 B	51/00	567-601	A 01 B	5/00			
75	A 62 C	13/76			34/00	293-296	A 01 B	3/00			7/00			
		37/50			45/04	297-309	A 01 B	59/044			15/16			
76	A 62 C		19,20	A 01 B	45/00			59/046			21/00			
77-83	A 62 C	35/58	21,22	A 01 B	45/02			63/104			23/06			
84	A 62 C				3/64			63/106			35/16			
85-88	A 62 C	35/58	23	A 01 B	13/04	310-314	A 01 B	49/00			35/28			
89	A 62 C	13/76	24	A 01 B	39/16	315-319	A 01 B	63/14			39/08			
90,91	A 62 C	37/50	25	A 01 B	13/00	320	A 01 B	21/08	602-605	A 01 B	15/16			
		39/00			33/06	321	A 01 B	63/02			23/06			
U.S. Class 171			26	A 01 B	69/00	322,323	A 01 B	63/00			59/00			
UNEARTHING PLANTS OR BURIED OBJECTS			26.5,26.6	E 02 F	3/60	324-328	A 01 B	59/00	606-610	A 01 B	15/00			
			27-31	A 01 B	49/04			69/00			19/10			
			32	A 01 B	17/00	329-370	A 01 B	3/02			23/00			
					25/00			3/04			35/20			
					33/16			5/02			39/20			
					35/32			15/12	611	A 01 B	15/00			
1-15	A 01 D	13/00			77/00			39/00			23/00			
		15/00	33	A 01 B	3/00	371-381	A 01 B	1/00			35/20			
		17/00	34,35	A 01 B	33/00	382	A 01 B	13/14			39/20			
		19/00	36	A 01 B	35/00	383-394	A 01 B	15/00	612	A 01 B	35/00			
		21/00	37	A 01 B	1/00			23/00	613-662	A 01 B	19/00			
		23/00			33/00			33/08			23/00			
		25/00	38,39	A 01 B	33/00			35/20			35/00			
		27/00	40	A 01 B	35/00			39/00			39/00			
		29/00	41-43	A 01 B	33/00	395-407	A 01 B	63/16	663-668	A 01 B	63/00			
		31/00	44	A 01 B	39/19	408-412	A 01 B	63/18	669-676	A 01 B	59/00			
		33/00	45,46	A 01 B	33/00	413	A 01 B	63/22	677-680	A 01 B	15/00			
16	E 01 B	27/00	47	A 01 B	59/043	414-419	A 01 B	63/16	681-698	A 01 B	23/00			
17-25	A 01 D	13/00	48-49.5	A 01 B	33/00	420	A 01 B	63/20			31/00			
		15/00			39/08	421-427	A 01 B	63/16			35/20			
		17/00			33/00	428	A 01 B	63/20			39/20			
		19/00	50-54	A 01 B	49/00	429	A 01 B	63/16			13/08			
		21/00			39/00	430-437	A 01 B	15/00	699,700	A 01 B	13/02			
		23/00	54.5	A 01 B	39/10			23/00	701	A 01 B	3/80			
		25/00			33/00			33/08	701.1-701.3	E 02 F	3/80			
		27/00	55-62	A 01 B	9/00			35/20	702-712	A 01 B	15/00			
		29/00	63-73	A 01 B	33/16			39/00			23/00			
		31/00			49/02	438	A 01 B	49/00			31/00			
		33/00			33/00	439-451	A 01 B	59/043			35/20			
26-42	A 01 D	27/00	74-83	A 01 B	39/00			59/06			39/20			
43-62	A 01 D	13/00	84-89	A 01 B	39/10			63/02	713	A 01 B	23/02			
		15/00			41/00			63/118	714-719	A 01 B	15/00			
		17/00			33/00	452	A 01 B	63/00			23/00			
		19/00	90-107	A 01 B	35/00	453	A 01 B	63/12			31/00			
		21/00			39/00	454-464	A 01 B	63/00			35/20			
		23/00			33/04	465,466	A 01 B	63/10			39/20			
		25/00	108,109	A 01 B	33/00	467-490	A 01 B	63/00			39/18			
		27/00	110	A 01 B	35/00	491	A 01 B	63/10	720	A 01 B	39/20			
		29/00			39/00	492,493	A 01 B	63/06	721-733	A 01 B	15/00			
		31/00			33/06	494-506	A 01 B	63/00	734-753	A 01 B	23/00			
		33/00			33/00	507	A 01 B	63/16			31/00			
63-65	A 01 B	43/00	112-125	A 01 B	17/00	508-516	A 01 B	17/00			35/20			
66-144	A 01 D	13/00	126-132	A 01 B	25/00	517	A 01 B	35/32			39/20			
		15/00			29/06			39/26	754-761	A 01 B	15/00			
		17/00			33/16			39/28	762-775	A 01 B	15/00			
		19/00			35/32	518-521	A 01 B	5/00			15/10			
		21/00			39/28			7/00			23/00			
		23/00			5/00			15/16			31/00			
		25/00	133-189	A 01 B	49/02			21/00			35/20			
		27/00			23/06			23/06			35/26			
		29/00	190	A 01 B	5/00			35/28			39/20			
		31/00	191-203	A 01 B	49/02			41/04	776	A 01 B	15/14			
		33/00	204-211	A 01 B	3/28			33/06			23/04			
					3/40	522-526	A 01 B	33/04			35/20			
					3/56	527	A 01 B	13/16	777-799	E 02 F	3/12			
					5/08	528-530	A 01 B	5/00			3/64			
					5/14	531-539	A 01 B	7/00			3/76			
					63/16			15/16	799.5	E 02 F	3/76			
			212	A 01 B	3/28			21/00	810	A 01 B	59/04			
			213-232	A 01 B	3/40			23/06			3/00			
					3/56									
U.S. Class 172														
EARTH WORKING														
1	A 01 B	79/00												
2	A 01 B	41/06												
U.S. Class 173														
TOOL DRIVING OR IMPACTING														
			1	B 21 J										
				B 23 Q										
				B 25 D										
				E 02 D										
				E 21 B										
				E 21 C										
			2	B 21 J										
				B 23 Q										
				B 25 D										
				E 02 D										
				E 21 B										
				E 21 C										
			3	B 25 D										
				E 21 C										
				E 21 B										
			4-19	B 23 Q										
				E 21 C										
			20,21	B 21 J										
				B 23 Q										
				B 25 D										
				E 02 D										
				E 21 B										
				E 21 C										
			22-28	E 21 B										
				E 21 C										
			29	B 21 J										
				B 23 Q										
				B 25 D										
				E 02 D										
				E 21 B										
				E 21 C										
			30	B 25 D										

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation		
U.S. Class 173—Con.																
		17/24			9/00			3/04			17/38			27/00		
		3/00			9/04			3/28			17/08			37/00		
163-167	E 21 B	7/22			9/06	99	H 02 G	3/00			17/40	48	C 09 K	7/00		
		7/22			11/00			5/04			17/08		E 21 C	7/06		
168,169	B 23 B	45/04	30	H 01 B	11/18			5/06			17/38	49	E 21 B	7/08		
	B 27 C	3/08			17/34	100,101	H 02 G	3/00			17/40	50	E 21 B	7/00		
170	B 23 B	45/00	31,31.5	H 01 B	17/36	101.5	H 01 B	7/12	194-206	H 01 B	17/20			47/00		
	B 27 C	3/08	32	H 05 K	102-107		H 01 B	7/18			17/38			47/026		
171	B 23 B	45/00	33,34	H 01 B	9/00	108,109	H 01 B	9/02	207	H 01 B	17/06	51	E 21 C	49/00		
	B 25 D	17/04			11/02			7/18			17/38			1/10		
	B 27 C	3/08			11/06			9/02	208	H 01 B	17/24	52	E 21 B	5/00		
			35	H 05 K	9/00			17/22	209	H 01 B	17/32			19/00		
			36	H 01 B	7/34	110,111	H 01 B	7/00			17/60	53	E 21 D	19/14		
					11/06	112	H 01 B	7/36	210	H 01 B	17/20			1/06		
			37-39	H 02 G	9/00	113-117	H 01 B	7/00			17/32	54	E 21 B	3/00		
			40	H 02 G	7/00			11/02	211	H 01 B	17/50			7/16		
			41	H 02 G	7/06	118-124	H 01 B	7/00			17/52	55	E 21 B	7/18		
			42	H 02 G	7/14	125.1	H 01 B	12/00	212	H 01 B	17/00			7/24		
			43,44	H 02 G	7/20	126.1-126.3	H 01 B	5/00						3/02		
			45	E 04 H	12/24	126.4	H 01 B	5/14				56	E 21 B	7/04		
				H 02 G	7/20	127	H 01 B	5/00						7/24		
			46	B 25 G	1/00	128.1-129	H 01 B	5/08	U.S. Class 175					57	E 21 B	7/00
					1/12	130,131	H 01 B	5/10	BORING OR PENETRATING THE EARTH					58-60	E 21 B	49/00
					17/56	133	H 01 B	5/02				61	E 21 B	7/04		
2-4	H 01 B	13/00			11/12	135	H 01 B	7/00	1	E 21 B	47/00	62	E 21 D	10/00		
5	H 01 B				7/00	136	H 01 B	7/24	2	E 21 B	7/00	64	C 09 K	7/00		
6,7	H 01 R	4/66	47	H 01 B	17/00	137	H 01 B	17/00	3	E 21 B	25/00			7/00		
8	H 01 B	3/20			3/04			17/54	3.5	E 21 B	7/00	65	C 09 K	7/00		
		9/06	48,49	H 02 G	3/10	138,139	H 01 B	17/00	4	E 21 B	49/02			21/00		
		15/20			13/00	140	H 01 B	17/42	4.5	E 21 B	7/00			7/06		
9	H 01 B	17/36			5/00	141	H 01 B	17/48			43/116	66	C 09 K	7/08		
			50	H 01 J	15/00	142	H 01 B	17/26	4.51	E 21 B	43/119			7/00		
					3/08	143	H 01 B	17/28	4.52-4.59	E 21 B	7/00			21/06		
					5/00	144	H 01 T	4/14			43/116	67	E 21 C	7/00		
			50.5-50.64	H 01 J	5/00	145	H 01 B	17/00	4.6	E 21 B	7/00			7/18		
					15/00	146,147	H 01 B	17/00			3/00	68	C 09 K	7/00		
					5/06		H 02 G	7/12			3/02			7/00		
			51	H 05 K	5/02	148,149	H 01 B	17/00	5	E 21 B	7/12	69	E 21 C	7/00		
			52.1	H 02 G	3/08	150	H 01 B	17/04			15/02			21/14		
				H 05 K	5/00			19/09			19/09			7/06		
			52.2	H 01 L	23/28	151-153	H 01 B	17/26	6	E 21 B	7/12	70	C 09 K	7/00		
				H 05 K	5/06	154-157	H 01 B	17/00			7/124			7/08		
			52.3	H 05 K	5/06			17/14			25/18			7/10		
15.1	H 01 B	9/06			23/02			17/20	7	E 21 B	7/128			7/00		
	H 02 G	3/03	52.4-52.6	H 01 L	9/02			17/24			15/02	71	C 09 K	7/00		
	H 05 K	7/20	53-58	H 01 H	13/04	158,159	H 01 B	17/14	8	E 21 B	7/132			7/02		
15.2	H 01 B	7/34			19/04			17/16			15/02	72	C 09 K	7/00		
	H 05 K	7/20			21/04			17/20	9	E 21 B	7/136			7/00		
15.3	H 01 B	17/26			23/04			17/24			15/02			7/18		
		17/54			13/46	160	H 01 B	17/06	10	E 21 B	7/12			7/06		
	H 02 G	15/20	59,60	H 01 R	13/46	161-165	H 01 B	17/16			7/124	73	E 21 B	7/08		
15.4	H 01 B	12/00			3/18	166	H 01 B	17/24			15/02			7/04		
15.5	H 01 B	4/68	61-64	H 02 B	1/30	167	H 01 B	17/58	11-15	E 21 B	7/14			7/08		
	H 02 G	15/34		H 02 G	13/00	168-175	H 01 B	17/16			37/16			15/04		
	H 01 B	7/34	65	H 02 G	3/18			17/18	16	E 21 B	7/00	74	E 21 B	7/08		
		9/06	66,67	H 02 G	3/14			17/22			7/15			7/10		
	H 02 G	15/20		H 05 K	5/03	176-179	H 01 B	17/06			37/16	75	E 21 B	7/08		
15.7	H 01 B	7/34	68.1	H 01 B	17/12			17/38	17	C 09 K	7/00	76	E 21 B	7/06		
16.1	H 01 B	7/34		H 02 G	17/06			17/38			7/00			7/08		
		9/06	68.2	H 02 G	5/00	180	H 01 B	17/06	18	F 25 C	5/04			7/10		
	H 02 G	3/03	68.3	H 02 G	3/04			17/12	19-23	E 21 B	7/26			17/10		
	H 05 K	7/20			3/28			17/20			11/02			9/00		
16.2	H 02 G	5/10	68.5	H 05 K	1/00			17/38	24	E 21 B	44/00	77	E 21 B	7/04		
16.3	H 01 L	23/26	69	H 01 B	7/06	181	H 01 B	17/06			21/08			15/04		
	H 05 K	7/20	70	H 02 G	3/00			17/16	25	E 21 B	44/00			49/02		
17	H 05 K	5/00		H 01 B				17/38	26	E 21 B	44/00	78	E 21 B	7/04		
17.05-17.08	H 05 K	5/06	71,72	H 02 G		182	H 01 B	17/06	27	E 21 B	3/06			7/08		
18	H 05 K	5/00		H 02 G	15/064			17/08			19/08			49/02		
19,20	H 02 G	15/22	73.1	H 02 G	15/103			17/12			44/00	79-83	E 21 B	7/04		
21,22	H 02 G	15/24			15/184			17/22			1/10			7/08		
23	H 02 G	15/20			15/30			17/38			5/00	84	E 21 B	41/00		
24	H 01 B	7/00			15/02	183,184	H 01 B	17/06	38	C 09 K	7/00	85	E 21 B	19/00		
		9/00	74	H 02 G	15/02			17/12			21/08			19/20		
		11/00	75	H 02 G	15/08			17/16			44/00	86	E 21 B	41/00		
25	H 01 B	7/00	76	H 02 G	3/02			17/38			7/00			1/06		
		7/02			15/02	185	H 01 B	17/06	39	E 21 C	12/02	87	E 21 B			
		9/00			15/08			17/12	40	E 21 B	47/00			E 21 C		
26	H 01 B	7/00	77-83	H 02 G	15/02			17/20			47/00	88	E 21 B	41/00		
		9/00			15/08			17/38	41	E 21 B	7/00	89	E 21 B	11/06		
		11/00	84-94	H 01 R	4/00	186	H 01 B	17/06	42	C 09 K	7/00	90	E 21 B	10/00		
27	H 01 B	7/00		H 02 G	3/06			17/12			E 21 B			10/00		
		9/00			15/08			17/22			E 21 C			11/00		
		11/00	95-97	H 02 G	3/04			17/38	44,45	E 21 B	25/16	92-100	E 21 B	4/00		
		11/02			3/28	187	H 01 B	17/54			47/02	101-103	E 21 B	4/00		
28,29	H 01 B	7/00	98	H 02 G	3/00	188,189	H 01 B	17/08	46	E 21 B	21/00			19/22		

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 175—Con.			U.S. Class 177			U.S. Class 177			U.S. Class 178			U.S. Class 178		
104-107	E 21 B	4/00	308-312	E 21 B	12/04	WEIGHING SCALES			177	G 01 G	23/30			15/16
108	E 21 B	7/00			27/00				178	G 01 G	23/32			15/18
	E 21 C	1/00	313	E 21 B	31/00	1	G 01 G	9/00	179	G 01 G	21/02			15/24
		3/00			10/00				180	G 01 G	21/28	17.5	H 04 L	13/08
113-121	E 21 B	5/00	314	E 21 B	12/06				181,182	G 01 G	23/18			15/18
	E 21 C	3/02	315	E 21 B	43/34	2-13	G 01 G	17/00	183	G 01 G	21/02	18-20	G 08 C	21/00
		1/10			12/00	14	G 01 G	19/00	184	G 01 G	21/10	21	H 04 N	1/024
122	E 21 B	1/02	316	E 21 B	11/00	15	G 01 G	23/38	185	G 01 G	23/10	23-25	H 04 L	15/24
		3/02	317,318	E 21 B	41/00	16	G 01 G	13/24	186	G 01 G	23/06			15/34
	E 21 C	5/00	319	E 21 B	4/00	17-24	G 01 G	11/14	187-189	G 01 G	21/10			17/16
135	E 21 B	1/00	320-322	E 21 B	17/00	25.11	G 01 G	19/40	190	G 01 G	1/22	26.1	H 03 M	7/00
	E 21 C	3/04			17/07	25.12,25.13	G 01 G	19/36			1/24	27	H 04 L	21/00
161	E 21 B	27/00			17/16			19/32	191	G 01 G	1/22			15/34
162	E 21 B	19/08			17/18	25.14-25.16	G 01 G	19/34	192	G 01 G	1/22	28,29	H 04 L	17/16
	E 21 C	1/10			17/20	25.17	G 01 G	19/40	193	G 01 G	1/22			15/24
		5/00			19/00	25.18	G 01 G	19/42	194-197	G 01 G	1/22	30	G 09 G	1/18
170-173	E 21 B	1/02			21/00			19/32	198	G 01 G	21/24			1/20
		3/00	323	E 21 B	10/44	25.19	G 01 G	19/40	199,200	G 01 G	19/00			1/22
	E 21 C	7/20			17/00	26-44	G 01 G	23/18	201	G 01 G	1/00			1/24
		1/00			17/22			19/04			3/00			15/24
189	E 21 B	3/00	324	E 21 B	17/00	45-47	G 01 G	23/22	202	G 01 G	7/00			15/34
		6/00			19/00	48	G 01 G	23/18	203-205	G 01 G	1/18	31-33	H 04 L	17/16
	E 21 C	1/12	325	E 21 B	21/00	49	G 01 G	23/36	206	G 01 G	1/34			15/24
		3/00			17/10	50,51	G 01 G	23/18	207	G 01 G	1/38			15/34
195	E 21 B	3/04	326	E 21 B	9/00	52-54	G 01 G	19/52	208,209	G 01 G	5/02	34,35	H 04 L	17/16
		3/06			17/10	55-57	G 01 G	13/00	210,211	G 01 G	5/04			15/24
	E 21 B	7/22			9/00	58	G 01 G	13/24	212	G 01 G	3/14			15/34
202	E 21 B	23/00	327,328	E 21 B	11/00			19/00			1/38	36	H 04 L	17/24
203	E 21 B	3/06			10/00	59	G 01 G	21/28	213-215	G 01 G	7/00			15/24
		19/08			9/00	60	G 01 G	13/16	216	G 01 G	1/02			15/34
205	C 09 K	7/00	329,330	E 21 B	25/04	61	G 01 G	13/00	217	G 01 G	1/06	37	H 04 L	17/16
	E 21 C	7/08			10/02	62-67	G 01 G	19/24	218	G 01 G	1/10			15/24
206,207	E 21 B	21/00			10/46	68	G 01 G	13/02	219	G 01 G	1/06			15/34
	E 21 C	21/06			10/48	69,70	G 01 G	19/22	220-223	G 01 G	1/12	38-42	H 04 L	17/16
	E 21 C	7/00	331	E 21 B	10/00	71,72	G 01 G	13/24			23/26			15/24
208	E 21 C	7/08			10/08	73-79	G 01 G	13/02	224	G 01 G	1/02			15/34
209-218	E 21 B	17/18	332	E 21 B	10/08	80	G 01 G	13/00	225	G 01 G	3/00	43	H 04 B	5/00
		21/00			10/00	81	G 01 G	13/04	226-228	G 01 G	3/18	45	H 01 B	11/14
		21/10	333	E 21 B	10/06	82	G 01 G	13/04	229	G 01 G	3/08			11/16
	E 21 C	21/12			10/04	83-88	G 01 G	15/02	230	G 01 G	23/26			5/10
219	E 21 B	7/00			25/00	89	G 01 G	13/22	231	G 01 G	21/28			25/46
220	E 21 B	41/00	334,335	E 21 B	10/28	90-102	G 01 G	13/00	232,233	G 01 G	3/02	46	H 01 F	17/08
	E 21 C	15/00	336-343	E 21 B	10/00	103,104	G 01 G	13/22	234	G 01 G	23/26	47,48	H 04 L	5/10
		11/00			10/14	105	G 01 G	13/18	235	G 01 G	1/28			25/46
226	E 21 B	25/08	344-347	E 21 B	10/18	106,107	G 01 G	13/24	236	G 01 G	1/18			25/62
		49/02	348-379	E 21 B	10/30	108-110	G 01 G	13/16	237	G 01 G	1/28	49	H 04 L	5/02
227-229	E 21 B	10/24			10/00	111,112	G 01 G	13/34			1/30	62	H 04 L	15/34
230	E 21 B	17/10	380	E 21 B	7/16	113	G 01 G	13/18	238-244	G 01 G	21/28	63	H 04 L	25/02
	E 21 C	9/00	381-384	E 21 B	10/00	114,115	G 01 G	13/24	245	G 01 G	19/00	64	H 04 B	3/02
231	E 21 B	7/08	385,386	E 21 B	10/26	116-120	G 01 G	13/02			23/00	65	H 04 L	25/18
		10/00	387	E 21 B	10/00	121	G 01 G	13/04	246	G 01 G	1/18	66,66.2	H 04 L	27/00
232-243	E 21 B	25/00	388-392	E 21 B	10/40	122,123	G 01 G	13/02	247	G 01 G	1/36	67.1	H 04 L	27/18
		27/00	393	E 21 B	10/60	124	G 01 G	23/02	248	G 01 G	1/26	69	H 04 L	25/02
244-255	E 21 B	10/02			17/00	125	G 07 F	13/04	249,250	G 01 G	1/36	69.6	H 04 L	12/12
		25/00			19/00			17/00	251,252	G 01 G	1/18	70-73	H 04 L	25/20
		25/02			21/00	126	G 01 G	21/00	253	G 01 G	21/22			25/52
		25/04	394	E 21 B	10/44	127	G 01 G	21/28	254	G 01 G	5/04	74-76	H 04 L	15/00
		25/06	395	E 21 B	10/36	128	G 01 G	21/00	255	G 01 G	21/12	77,78	H 04 L	13/00
		25/10			10/44	129	G 01 G	23/00			21/24	79-81	H 04 L	15/04
		25/12	396	E 21 B	10/42	130	G 01 G	19/00			23/06			17/02
		25/14	397	E 21 B	10/00	131	G 01 G	19/08	256-261	G 01 G	21/08	82	H 04 L	15/08
		49/02	398-401	E 21 B	17/14	132	G 01 G	19/56	262,263	G 01 G	21/22			15/18
256	E 21 B	7/08	402	E 21 B	10/00	133-135	G 01 G	19/52	264	G 01 G				17/12
257	E 21 B	10/64	403-405	E 21 B	10/00	136-140	G 01 G	19/08				83-87	H 04 L	15/08
		11/00	406,407	E 21 B	10/26	141	G 01 G	19/10				89-91	H 04 L	15/30
258-261	E 21 B	10/64	408	E 21 B	17/10	142-144	G 01 G	19/52						17/16
		10/66			9/00	145	G 01 G	19/00				92	H 04 L	15/32
262	E 21 B	10/64	409-413	E 21 B	10/00	146	G 01 G	19/02				93-98	H 04 L	17/20
		11/00			10/46			19/52						15/24
263-292	E 21 B	7/28			10/54	147	B 66 C	1/40						17/16
		10/32			10/56		G 01 G	19/14	1-3	H 04 L	15/00	99.1	H 04 L	9/00
		10/34			10/58	148,149	G 01 G	19/56	4,4.1	H 04 L	15/34			17/16
293-295	E 21 B	4/00			10/62	150	G 01 G	23/04	15	G 09 G	1/18	100	H 04 L	15/24
		4/14			10/62	151-159	G 01 G	23/02			1/20			17/16
296,297	E 21 B	10/38	414-420	E 21 B	10/36	160	G 01 G	19/00			1/22	101-109	H 01 H	21/86
		10/38			10/42	161,162	G 01 G	23/00			1/24			15/03
298	E 21 B	4/10	421	E 21 B	19/10	163	G 01 G	21/22			15/34	110	H 01 H	21/22
		10/38	423	E 21 B	7/18	164	G 01 G	23/14			17/16			15/03
299-306	E 21 B	4/00	424	E 21 B	41/00	165	G 01 G	13/14			15/24	111,112	G 11 B	23/00
		10/38			43/114			23/14	16	H 04 L	17/16	114	H 04 L	13/00
307	E 21 B	10/00				166-176	G 01 G	23/14	17	H 04 L	15/12	115	G 09 B	19/26

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 178—Con.			68.5	B 60 R	16/04	141-143	B 62 D	5/06	230	B 62 D	61/02	319,320	B 62 D	1/24
			68.6	B 60 K	11/04	144	B 62 D	5/06		B 62 K	11/00		B 62 D	51/00
	H 04 L	15/03	69.1	B 62 D	25/20			7/02		B 62 M	7/00	321-324	B 60 K	26/00
116	H 01 T	9/00	69.2-69.24	B 62 D	25/10	145-148	B 62 D	5/06			9/00		B 62 D	1/22
117	H 04 B	1/16	69.25	B 62 D	25/10	149,150	B 62 D	5/10			11/00	325	B 60 K	26/00
118	H 04 L	13/18			25/13	151	B 62 D	5/06			13/00		B 60 T	7/00
		15/24	69.3	B 60 K	15/00			7/00			15/00		B 62 D	1/22
		17/16	69.4	B 60 K	15/00	152-157	B 62 D	5/06			17/00	326	B 60 K	26/00
		27/00			15/01	158	B 62 D	5/10			19/00		B 62 D	1/02
		27/06			15/03	159-161	B 62 D	5/06			21/00	327,328	B 62 D	33/08
		27/14	69.5	B 60 K	15/10	162	B 62 D	5/10			23/00	329-331	B 60 K	26/00
		27/22	69.6	B 60 K	1/02	163	B 62 D	5/06	231	B 62 D	61/02		B 62 D	1/02
119,120	H 04 L	13/18			5/08	164	B 60 B	39/00		B 62 K	11/00	332	B 62 D	1/14
					6/00		B 60 V	1/00		B 62 M	7/00	333	B 60 K	26/00
					17/00			3/00			9/16	334	B 60 K	26/00
			70.1-72	B 60 K	17/00	165	B 60 K	6/00	232	B 60 K	5/00		B 62 D	1/16
			73.1-73.5	B 60 K	20/00			8/00		B 62 D	27/00	335	B 60 K	13/00
					17/00			25/10	233	B 60 K	17/34			15/00
			74.75	B 60 K	17/00			11/16	234-241	B 60 K	17/358	336	B 60 K	17/00
			75.1,75.2	B 60 K	23/00		B 60 L	1/10	242-244	B 60 K	17/356			20/00
2.1	B 60 L	9/00	76	B 60 K	17/16		B 62 M	9/22	245,246	B 60 K	17/354			23/00
	B 60 M		78	B 60 K	23/00	166	B 62 B	7/16	247	B 60 K	17/354			
2.2	B 60 K	16/00			26/00	167-169	B 62 D	1/24			23/08			
	B 60 L	9/00			26/02		B 60 K	31/00	248	B 60 K	17/344			
					1/00	170	B 60 K	31/18	249	B 60 K	17/35			
					1/16	171	B 60 K	31/12	250	B 60 K	17/352			
6.2	B 60 M	6/00		B 62 D	3/00	172	B 60 K	31/16	251	B 60 K	17/342			
	B 62 D	11/00	79	B 62 D	7/00	173	B 60 K	31/14	252-267	B 60 K	17/30			
		11/02			9/00	174	B 60 K	31/06	268-270	B 60 R	21/00			
6.24-6.4	B 60 K	17/30	79.1	B 62 D	5/04	175	B 60 K	31/10	271	B 60 D	1/28			
		17/34	79.3-79.5	B 62 D	5/02	176	B 60 K	31/08		B 60 K	28/00	0.5-22	G 10 K	11/00
	B 62 D	3/00	84	B 62 D	25/16	177	B 60 K	31/02		B 60 L	3/00	30	E 04 B	1/99
		11/24	85,88	B 60 B	35/00	178	B 60 K	31/04		B 60 R	21/00	101	G 01 V	1/00
6.44-6.66	B 62 D	11/00			37/00	179	A 63 C	5/08	272,273	B 60 K	28/00	102-106	G 01 V	1/40
		11/02			21/00	180,181		17/12			28/04	107-112	G 01 V	1/00
6.7	B 62 D	11/02	89.1	B 62 D	23/00	182	B 62 M	27/02			28/06	113	G 01 V	1/02
		11/20			31/00			29/00		B 60 L	3/02	114,115	G 01 V	1/04
		11/22			33/00	183-185	B 62 B	19/00		B 60 T	7/14	116,117	G 01 V	1/06
		11/24			39/00		B 62 M	27/02	274-278	B 60 K	28/10	118	G 01 V	1/06
7.1	B 62 D	57/00			3/08	186-188	B 62 M	27/02		B 60 T	7/12			1/38
		57/024	89.11	B 60 N	15/00	189	B 62 M	29/00			7/22	119	G 01 V	1/04
		57/028		B 60 R	33/06	190-193	B 62 M	27/02	279	B 60 K	28/10	120	G 01 V	1/04
		57/032	89.12	B 62 D	49/00	194,195	B 62 M	29/02		B 60 L	3/04	121	G 01 V	1/04
		57/036	89.13	B 62 D	33/06	196	B 62 M	27/02	280	B 60 K	28/10	122	G 01 S	15/00
7.2-7.5	B 62 D	57/00			33/063			29/00		B 62 D	1/24	123,124	G 01 S	3/80
8.1-8.7	B 62 D	51/06			33/073	197	B 60 K	29/02	281-284	B 60 K	28/12	125	G 01 S	5/18
9-9.25	B 62 D	55/00			33/077	198	B 60 P	3/06		B 60 K	28/14	126	G 10 K	11/00
9.26-9.3	B 62 D	55/04			33/08	199	B 60 S	9/205		B 60 R	21/00	127	H 04 R	25/00
9.32	B 62 D	55/00	89.14	B 62 D	33/06	200,201	B 60 S	9/21		B 62 D	49/08	128,129	H 04 R	25/00
9.34-9.38	B 62 D	55/02			33/067	202	B 60 S	9/215	285,286	B 60 K	28/00	130	H 04 R	25/02
9.4-9.6	B 62 D	55/00			33/08	203	B 60 S	9/10			28/16	131,132	A 61 B	7/02
9.62,9.64	B 62 D	55/12	89.15,89.16	B 62 D	33/08			9/20	287-289	B 60 R	25/00	133,134	H 04 R	25/00
10	B 62 D	55/00			33/08			9/215		B 62 H	5/00	135	A 61 B	7/02
11-13	B 62 M	7/14	89.17	B 62 D	25/10			9/10	290	B 60 K	28/00	136,137	H 04 R	25/00
	B 60 D				39/00	204	B 60 S	9/20			28/08	138	G 08 B	1/00
14.1-14.7	B 62 D	53/00	89.18	B 62 D	25/10	205-207	B 62 K	11/00	291-295	B 60 K	1/00			5/00
		59/04			33/06		B 62 M	23/02			3/00	139	G 08 B	3/02
15.16	B 62 D				39/00	208	B 62 D	61/00			5/00	140-142	G 08 B	
19.1-19.3	B 62 D	51/04	89.19	B 62 D	33/06	209	B 62 K	61/00			6/00			
20	B 60 B	19/12	89.2	B 60 K	13/04		B 62 K	15/00			7/00	143	G 10 K	7/00
21	B 62 D	61/00	90	B 60 K	37/00		B 62 D	61/12			8/00	144-156	H 05 K	5/00
22-24.13	B 62 D	61/10			25/14	210-217	B 62 K	13/00	296	B 60 K	13/04	157-174	G 10 K	13/00
36-40	B 60 K	3/00	90.6	B 62 D	25/20		B 62 D	61/06	297	B 60 K	5/04		H 04 R	7/00
41	B 60 G	21/00	116	B 60 V	1/00	218	B 62 K	5/02	298	B 60 K	5/10	175-197	G 10 K	11/00
		23/00			3/00	219,220	B 62 D	61/00	299,300	B 60 K	1/00	198,199	A 47 B	81/06
	B 60 S	9/02	117-121	B 60 V	1/11		B 62 D	61/02			3/00	200	G 10 K	11/04
53.1-53.5	B 60 K	17/28			1/14		B 62 K	11/00			5/00	201	B 41 J	29/08
		25/00			1/15		B 62 M	7/00			6/00	202	H 02 K	5/24
53.6-53.62	B 60 K	25/08	122	B 60 V	1/20	221,222	B 62 D	61/02			7/00	203	B 64 F	1/26
53.7	B 60 K	25/02	123	B 60 V	1/04		B 62 K	11/00			8/00	204	F 01 N	
53.8	B 60 K	17/28	124	B 60 V	1/06		B 62 M	7/00			5/00	205	G 10 K	11/00
		25/00			1/00			13/00	301	B 60 K	3/00	206	F 01 N	1/06
		8/00	125	B 60 V	1/04	223,224	B 62 D	61/02	302-304	B 60 K	17/00	207	F 16 F	7/00
54.1	B 60 K	6/00	126	B 60 V	1/16		B 62 K	11/00	305-307	B 60 K	7/00			15/00
54.2	B 60 K	8/00	127,128	B 60 V	1/02		B 62 M	7/00	308	B 60 K	17/14	208,209	F 16 F	15/00
		7/00	129,130	B 62 D	1/26	225	B 62 D	61/02			13/04	210	B 64 F	1/26
55-63	B 60 K	1/00	131	B 62 D	5/00		B 62 K	11/08	309	B 60 K	3/00		E 04 H	17/00
65.1	B 60 K	1/00			5/06		B 62 M	7/00	310	B 62 D	21/00		G 10 K	11/00
65.2	B 60 K	6/00	132	B 62 D	5/00	226	B 62 D	61/02	311,312	B 60 K		211	F 01 N	5/00
		1/00	133	B 62 D	5/06		B 62 K	11/00	313	B 60 L				5/02
65.3	B 60 K	16/00	134-139	B 62 D	13/00		B 62 M	7/00		B 60 R		212	F 01 N	5/00
		8/00			53/00			15/00		B 62 D				7/00
65.4-65.8	B 60 K	1/00	140	B 62 D	5/06			17/00	314	B 60 K	15/03		G 01 K	11/00
68.1,68.2	B 60 K	11/00			7/06	227-229	B 62 D	61/02	315,316	B 60 K	26/00	213	F 01 N	
68.3	B 60 K	13/02			7/09		B 62 K	11/00	317,318	B 60 K	26/00		F 02 K	1/00
68.4	B 60 K	11/04			7/15		B 62 M	7/00		B 62 D	51/00	214	B 64 D	33/02

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 181—Con.			3-9	A 47 L	3/04	194,195	E 06 C	1/00			9/06	44	F 16 N	9/04
				A 62 B	1/16	196-199	E 06 C	1/52		F 16 N	7/26	45.1,45.2	F 16 N	11/04
	F 02 K	11/00						5/26			7/28	46	F 16 N	11/06
215	F 02 K	1/00		A 63 B	29/02	200-205	E 06 C	1/00	11.2	F 01 M	1/00	47	F 16 N	1/00
		1/06		E 06 C	7/18			7/00			9/06			13/02
		1/08	10,11	B 61 B	7/00	206	E 06 C	1/36			11/02	48.1,48.2	F 16 N	11/08
		1/10	12-17	E 04 G	3/16	207	E 06 C	5/04	11.3	F 01 M	1/00	49	F 16 N	7/32
		1/12		E 06 C		208	E 06 C	5/06			9/06			11/10
		1/16	18	E 06 C	5/34			5/16	11.4	F 16 N	7/16			13/16
		1/18			5/44	209-214	E 06 C	7/06	11.5	F 01 M	1/00			15/04
216	F 02 K	1/08	19	C 05 B	11/00	215,216	E 06 C	7/08			9/06			21/00
217,218	B 64 F	1/26	20	E 04 G	1/00	217-219	E 06 C	7/10	12	F 16 N	13/22	50.1-51	F 16 N	11/10
219	F 02 K	1/08	21-26	E 06 C	1/00	220	E 06 C	7/08			25/00			13/16
220	F 01 N	1/14	27	E 04 G	1/00	221	A 63 B	27/00	13.1	F 01 M	1/00			21/00
	F 02 K	1/00	28	A 47 B	37/00	222,223	E 04 G	1/16			9/06	52-54	F 16 N	11/10
		1/28			85/06			5/08			7/26			13/16
		1/38		E 06 C	1/00		E 06 C	7/16			7/28	55.1,55.2	F 16 N	7/30
		1/46	29-32	A 47 B	35/00	224-227	E 04 G	1/32	14	F 01 M	9/12			7/34
221	F 01 N	3/00			85/06	228	E 06 C	7/08			11/00	57	F 16 N	7/34
222	F 01 N	1/24		D 06 F	81/00	229	E 04 G	1/00		F 16 F	1/00	58,59	F 16 N	17/06
223	F 41 A	21/00		E 06 C	1/00			3/00			1/24	60	F 16 N	11/10
224	E 04 F	17/04	33-33.6	A 47 C	13/00	230	E 04 G	1/00		F 16 N	1/00			13/16
225	F 01 N	7/00	34	A 47 C	19/22			5/00			3/00	61	F 16 N	7/14
226	F 01 N	1/08		E 06 C	1/00			7/00			11/04			7/24
227,228	F 01 N	7/08		E 06 C	1/00			1/00			25/00			21/00
229	F 02 M	35/00	35	E 04 G	3/14		E 06 C	1/00	14.1	F 01 M	9/00	62	F 16 N	7/14
230	B 21 J		36-39	E 04 G	1/56	231,232	A 62 B	1/08	15.1-15.3	F 16 N	7/16	63	F 16 N	25/04
	F 01 N		40,41	E 06 C	9/14	233	A 62 B	1/12			7/24	64	F 01 M	7/12
231	F 01 N	3/02	42-44	B 65 G	15/00	234	A 62 B	1/10			13/22	65	F 16 N	9/06
		3/06			17/00		B 66 D	5/04	16	F 16 N	7/12			9/08
232	F 01 N	7/02		B 66 B	9/08	235	A 62 B	1/10			7/24		F 16 N	7/02
233	F 16 K	47/02	45	E 04 G	1/36	236,237	A 62 B	1/08	17	F 16 N	7/24			11/06
	F 16 L	55/02			3/12	238	A 62 B	1/12			25/04	66,67	F 16 N	29/00
234	E 03 D	1/30	46,47	A 62 B	3/00	239	A 62 B	1/10	18	F 16 N	1/00	68,69	F 16 N	27/00
		1/32		E 06 C	7/00		B 66 D	5/04	19	F 16 N	7/12			29/00
		9/14	48,49	A 62 B	1/20	240	A 62 B	1/10	20	F 16 N	13/20	70	F 16 N	29/00
235	F 01 N	7/12	50	A 62 B	1/18	241	A 62 B	1/08			25/04	71	F 16 N	11/08
236	F 01 N			F 42 B	12/68				21	F 16 N	7/16			13/10
237	F 01 N		51,52	A 62 C	31/24				22	F 16 N	7/12			25/04
	F 16 K	17/00	53-62	A 47 L	3/02	U.S. Class 184			23	F 16 N	13/20			29/00
238,239	F 01 N	7/00		E 04 G	3/00	LUBRICATION					25/04	72	F 16 N	11/10
240	F 01 N	7/10		E 04 G	1/22				24	F 16 N	1/00			13/16
241	F 01 N	7/18	62.5	E 06 C	1/12				25	F 16 N	7/12			25/04
242	F 01 N	7/00		E 06 C	1/00	1.5	F 16 C	3/14	26	F 01 M	1/00			29/00
243	F 01 N	7/18	63-69	E 06 C	5/04		F 16 N	33/00		F 16 N	7/36	73	F 16 N	9/04
244-246	F 01 N	7/16			7/02	2	F 16 N	1/00			7/38			25/04
247	F 01 N	1/00		A 62 B	1/06	3.1,3.2	B 61 K	3/00			13/00			29/00
248	F 01 N	7/08	70-76	E 06 C	9/00	4	F 16 N	1/00	27.1-27.4	F 16 N	7/14	74	F 16 N	11/08
249-251	F 01 N	1/02	77-81	E 04 G	3/00	5	F 16 C	17/00			7/36			13/10
252	F 01 N	1/10	82-100	E 06 C	9/00			21/00			13/10			29/00
253-255	F 01 N	1/00		E 06 C	7/16			43/00	28	F 16 N	3/12	75	F 16 N	29/00
256-258	F 01 N	1/24	101-103	E 06 C	1/18		F 16 N	1/00			13/08	76	F 16 N	11/10
259-263	F 01 N	1/14	104,105		1/32	5.1	F 16 C	1/24	29	F 16 N	11/10			13/16
264-270	F 01 N	1/08		E 06 C	7/18	6	F 01 M	1/00	30	F 16 N	9/04			29/00
271	F 01 N	1/16	106	E 04 G	5/02		F 16 N	17/06	31	F 16 N	13/20	77	F 16 N	7/36
272-276	F 01 N	1/08	107-111	E 06 C	7/42	6.1	F 01 M	9/00			25/04			11/12
277,278	F 01 N	1/16	112,113	A 47 L	3/02	6.11-6.15	F 01 M	1/00	32	F 16 N	9/04	78	F 16 N	9/04
279,280	F 01 N	1/12		E 04 G	1/16	6.16,6.17	F 01 M	1/00			13/02			29/00
281	F 01 N	1/00			5/00	6.18,6.19	F 01 M	3/00	33	F 16 N	13/20	79	F 16 N	25/02
282	F 01 N	7/18	114	E 04 G	1/00	6.2	F 01 M	5/00			25/04			29/00
283	F 01 P	1/08	115-126	E 06 C	5/00	6.21	F 01 M	11/08	34	F 16 N	9/04	80	F 16 N	23/00
284	E 04 B	1/82	127	E 04 G	1/36	6.22	F 01 M	1/00			13/02	81	F 01 M	9/06
		9/00	128	E 04 G	1/00	6.23	F 01 M	1/10			25/02			9/08
285	E 04 B	1/00	129	E 04 G	3/00	6.24,6.25	F 01 M	1/10	35	F 16 N	13/20			7/02
		9/00			5/32	6.26	F 01 M	1/00			25/04			11/06
286	E 04 B	1/82		E 06 C	1/00	6.27,6.28	F 01 M	11/00	36	F 16 N	7/14	82	F 16 N	23/00
287	E 04 B	1/343	130-132	E 04 G	3/00	6.3	F 01 M	9/00	37	F 16 N	7/14	83	F 16 N	27/00
288	E 04 B	1/82			5/00	6.4	F 01 M	1/18			7/36	84	F 16 N	11/00
289	E 04 B	9/00			7/00			11/10			11/08	85	F 16 N	17/06
290	E 04 B	1/82			27/00	6.5,6.6	F 01 M	1/04			13/10	86,87	F 16 N	23/00
		2/02	133-136	A 63 B	1/22	6.7,6.8	F 01 M	1/00	38.1-38.4	F 16 N	3/12	88.1,88.2	F 16 N	11/00
291-293	E 04 B	1/82	137-140	A 62 B	1/18	6.9	F 01 M	1/00			13/08			13/22
294	E 04 B	1/84	141-149	E 04 G	3/10	7.1	F 01 M	1/06	39	F 16 N	5/00			19/00
295	E 04 B	1/82			3/10	7.2	F 16 N	25/00			11/10	89,90	F 16 N	11/00
296	F 01 N		150	E 04 G	1/34	7.3	F 16 N	27/00	39.1	F 01 M	1/08	91	F 16 N	11/04
	G 01 K		151	E 04 G	1/34			29/00		F 16 N	7/14	92	F 16 N	11/00
			152	E 06 C	1/00			27/00			7/36	93	F 16 N	11/04
			153-155	E 04 G	1/34	7.4	F 16 N	27/00			11/10	94	F 16 N	11/00
			156-177	E 06 C	1/00	8	F 01 M	1/12	40	F 16 N	13/16	95	F 16 N	11/04
			178	E 04 G	7/00		F 16 N	13/22			13/16	96	F 16 N	3/00
			179	E 04 G	1/00			21/00	41,42	F 16 N	11/08			7/00
			180	E 06 C	1/14			25/00			11/10			9/00
1	E 06 C	1/38	181-186	E 04 G	1/00	9,10	F 16 N	13/22			13/16			11/00
		7/08	187,188	E 04 G	3/00			25/00	43	F 16 N	7/36	97	F 16 N	21/00
2	E 04 G	1/00	189-193	A 62 B	1/20	11.1	F 01 M	1/00			11/12	98	F 16 N	15/00
		3/00												

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 184—Con.			3.1	B 66 B	1/16	24.13	B 62 L	1/06	177	B 60 T	8/24	11.12	A 45 F	3/00
					9/00	24.14	B 62 L	1/06	178,179	B 60 T	13/04		A 47 B	3/10
		39/00	4-8	B 66 B	9/00			5/20	180-182	B 60 T	8/72	13-15	A 47 B	61/06
99	F 16 N	15/00	8.41-8.77	B 60 S	13/00	24.15	B 62 L	5/20	184-189	B 60 T		15.1	A 45 C	13/38
100	F 16 N	1/00		B 66 F	7/00	24.16	B 62 L	1/06	190-194	B 60 T	8/24		A 45 F	5/00
101	F 16 N	7/24	9-11	B 66 B	9/20			3/00	195	B 60 T	8/18	16,17	A 45 C	3/00
		25/04	12-14	B 66 B	9/06	24.17	B 62 L	5/00	196	F 16 D	65/38			5/00
102	F 16 N	7/12	15	B 66 B	17/12	24.18	B 62 L	3/00	197-201	F 16 D	65/52			13/00
103.1,103.2	F 01 M	11/12	16	B 66 B	9/00			3/06	202,203	F 16 D	65/56	18	A 45 C	5/00
104.1-104.3	F 01 M	5/00	17-27	B 66 B	11/04	24.19	B 62 L	1/06	204-217	F 16 D	65/14			13/00
	F 01 P	11/08	28,29.1	B 66 B	1/00	24.21,24.22	B 62 L	3/00	218	F 16 D	65/10		A 45 F	3/44
	F 16 N	7/08	29.2	B 66 B	1/00	25	B 62 L	5/10	219.1-233.7	B 61 H	13/36	19	A 45 C	5/00
		17/02			1/04	26.27	B 62 L	5/00	234-249	F 16 D	65/04	20	A 45 C	5/08
		17/04	30-50	B 66 B	1/00	28-31	B 60 T	1/00	250-262	F 16 D	69/00	21,22	A 45 C	7/00
		39/02	51-61	B 66 B	13/00	32	B 60 T	3/00	264	F 16 D	65/78	23	A 45 C	5/00
		39/04	62-66	B 66 B	13/24	33-37	B 61 H	13/00	265	F 16 D	69/00	24	A 45 C	5/12
105.1-105.3	F 01 M	11/04	67	B 66 B	5/28	38-40	B 61 H	7/00	266	F 16 D	57/00			13/00
	F 16 N	21/00	68-72	B 66 B	5/00			13/00		F 16 F	9/12	25	A 45 C	13/36
106	F 16 N	31/00	73-93	B 66 B	5/16	41,42	B 61 H	7/00	267	F 16 F	15/03	26,27	A 45 C	13/30
107,108	F 01 M	1/18	94	B 66 B	17/12	43-45	B 61 H	7/12	268	F 16 F	9/30	28	A 45 C	5/00
		11/06	95	B 66 B	7/02	46-59	B 61 H	13/00	269	F 16 F	9/06	29-36	A 45 C	5/12
		11/10	96	B 66 B	15/00	60	B 61 K	7/20	270	B 60 T	1/16			13/00
109	F 01 M	1/00	97	B 66 B	17/22	61	B 61 H	13/00	271	F 16 F	11/00	37	A 45 C	13/36
		3/00	98	B 66 B	5/00	62	B 61 K	7/02	272	F 16 D	57/00	39	A 45 C	13/26
		5/00	100	B 66 B	1/00	63	B 61 H	13/00	273	F 02 D	9/06	40	A 45 C	5/02
		7/00	101	G 05 B	15/00	64	B 65 H	59/00	274	F 16 F	9/42	100	A 45 C	3/00
		9/00	102	G 06 F	11/16	65.1-65.3	B 65 H	59/16	275	F 16 F	9/34			3/02
	F 16 N	11/00	103	B 66 B	13/14	65.4,65.5	B 65 H	59/14	276,277	F 16 F	9/52	101	A 45 C	13/18
		1/00	104	B 66 B	13/24	67	B 65 H	59/10	278	F 16 F	9/44	102	A 45 C	13/00
			105	B 66 B	5/00	68	F 16 D	63/00	279	F 16 F	9/50			13/40
			106	B 66 B	5/14	69	B 62 C	7/02	280	F 16 F	9/49	103-105	A 45 C	7/00
			107	G 01 P	15/00	70	F 16 D	63/00	281-283	F 16 F	9/50	106	A 45 C	13/34
U.S. Class 185			108	B 66 B	1/32	71.1	F 16 D	55/00	284-289	F 16 F	9/48	107	A 45 C	7/00
MOTORS, SPRING, WEIGHT AND ANIMAL POWERED			109	B 66 B	5/00	71.2	F 16 D	55/02	290	F 16 D	57/00	108-114	A 45 C	3/00
			110,111	B 66 B	9/04	71.3,71.4	F 16 D	55/04	291	F 16 D	57/02	115	A 45 C	13/00
			112	B 66 B	1/06	71.5	F 16 D	55/36	292	F 16 D	57/06			13/30
2	F 03 G	5/00	113	B 66 B	1/40	71.6-71.9	F 16 D	55/02	293,294	F 16 D	57/02	116	A 45 C	13/00
3	F 03 G	3/00	114	H 02 J	9/00	72.1	F 16 D	55/08	295	F 16 D	57/06			13/22
4-7	F 03 G	1/00	115	B 66 B	1/44	72.2	F 16 D	55/14	296	F 16 D	57/02	117,118	A 45 C	13/26
9-14	F 03 G	5/00	116	B 66 B	1/28			55/46	297	F 16 F	9/24	119,120	A 45 C	13/10
15-25	F 03 G	3/00		H 02 P	5/00	72.3	F 16 D	55/22	298	F 16 F	9/04	121	A 45 C	13/06
27-36	F 03 G	1/00	117	B 66 B	5/08	72.4	F 16 D	55/18			9/08	122,123	A 45 C	13/04
37-45	F 03 G		118	G 05 B	11/36	72.5	F 16 D	55/228	299	F 16 F	9/46	124-126	A 45 C	13/00
			119	B 66 B	1/30	72.6	F 16 D	55/26	300	F 16 F	9/32	127	A 45 C	13/36
				H 02 P	5/28	72.7-72.9	F 16 D	55/08	301	F 16 F	9/02			
			120	B 66 B	1/30			55/16	302	F 16 F	9/16			
				H 02 P	5/06			55/10	303	F 16 F	9/28			
U.S. Class 186			121	B 66 B	1/14	73.1,73.2	F 16 D	65/00	304	F 16 F	9/26			
MERCHANDISING			122	B 66 B	1/34	73.31,73.32	F 16 D	65/00	305	F 16 F	9/16			
			123	B 66 B	1/16	73.33	F 16 D	65/14	306-310	F 16 F	9/14			
2.3	B 65 G	47/00	124	B 66 B	1/18	73.34	F 16 D	65/09	311-320	F 16 F	5/00			
4-6	B 61 B	13/00	125,126	B 66 B	1/20	73.35-73.37	F 16 D	65/38			9/00			
7	B 61 B	3/02	127,128	B 66 B	1/18	73.38	F 16 D	65/40	321.11,322.11	F 16 F	9/00	1	B 60 L	9/00
8-13	B 61 B	13/00	129	B 66 B	1/52	73.39	F 16 D	65/38	322.12	F 16 F	9/38	2-6	B 60 L	1/00
14-18	B 61 B	9/00	130	B 66 B	3/00	73.41-73.46	F 16 D	65/14	322.13-322.15	F 16 F	9/34			9/00
19-21	B 61 J	1/06	131	G 01 G	19/14	73.47	F 16 D	55/00	322.16-322.18	F 16 F	9/36	7	B 60 L	1/00
22	B 66 B	9/00	132	G 01 P	13/00	74-79.64	F 16 D	51/00	322.19	F 16 F	9/00			9/24
23	B 66 B	1/24	133	B 66 B	3/00	80-85	F 16 D	63/00	322.21	F 16 F	9/43	8	B 60 L	1/00
24,25	B 61 K	7/00	134	B 66 B	3/02	105-109	F 16 D	65/14	322.22	F 16 F	9/00			9/00
26,27	B 61 D	15/00	135	B 66 B	3/00	110	B 60 T	7/12	322.5	F 16 F	11/00	9	B 60 M	1/00
28	B 61 D	15/12	136	B 66 B	3/02	111	B 60 T	7/18	323-343	F 16 D	51/00			1/00
29-32	B 61 D	15/00	137,138	B 66 B	3/00	112	B 60 T	7/20	344	B 60 T	11/00	10,11	B 60 L	9/00
33	B 61 B	9/00	139	G 09 F	27/00	113-125	B 60 T	7/12	345	B 60 T	11/00	12,12.2	H 02 G	11/00
34	E 01 B	25/00	140	G 08 B	21/00	126	B 61 H	13/00			11/21	12.4	H 02 G	11/02
35,36	A 47 F					127-135	B 60 T	7/12	346-354	B 60 T	11/00	13-22	B 60 M	1/00
	B 61 B					136	F 16 D	51/60	355	B 60 T	11/00	23-29	B 60 M	1/34
	B 61 D					137-141	B 60 T	7/12			13/45	30,31	B 60 M	1/04
	B 65 G	47/00				142	B 60 T	11/10	356-370	B 60 T	11/00	32	B 60 M	1/30
	E 04 H	3/00				143	B 60 T	7/12	371-377	F 16 F	7/12	33,34	B 60 M	1/04
37	B 61 B					144	B 61 H	13/00	378-380	F 16 F	7/10	35	B 60 M	1/20
	B 65 G					145-149	B 60 T	7/12	381	F 16 F	11/00	36	B 60 M	1/14
	E 04 H	1/12				150	B 60 T	8/72	382	F 16 F	9/00	37	B 60 M	1/18
		3/06				151	B 60 T	11/10				38,39	B 60 M	1/20
		3/04				152	B 60 T	11/10				40	B 60 M	1/22
38-51	E 04 H							11/224				41	B 60 M	1/24
52-58	B 61 B							11/232				42-44.1	B 60 M	5/00
	B 65 G							11/236				45,46	B 60 L	5/08
	E 04 H	3/00										47	B 60 L	5/40
59-68	A 63 F	9/02										48	B 60 L	5/38
69	E 04 H	3/00										49	B 60 L	5/04
												50	B 60 L	5/34
												51	B 60 L	5/06
												52	B 60 L	5/08
												53,54	B 60 L	5/04
												55	B 60 L	5/08
														5/20
U.S. Class 187														
ELEVATORS														
1-3	B 66 B	9/00	24.12	B 62 L	1/02	171-176	B 60 T	13/04	9.10	A 47 B	85/08			

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 191—Con.			0.094	F 16 D	23/00			41/06	61	F 16 D	31/04			47/02
					47/00			43/00	62-64	F 16 D	23/00			69/00
56	B 60 L	5/06			67/02	39	F 16 D	11/06	65	F 16 D	11/00	107-112	F 16 D	11/00
57,58	B 60 L	5/36	0.096,0.098	B 60 K	41/00			13/04			13/22			13/60
59	B 60 L	5/06			41/02			23/00	66	F 16 D	11/04	113	F 16 D	13/60
		5/08			23/00			43/00			13/22			13/72
59.1	B 60 L	5/06		F 16 D	47/00	40	F 16 D	13/04	67	F 16 D	11/04			13/74
		5/08	1.1	B 60 K	41/20			27/00			11/10	114	F 16 D	13/60
		5/20	1.2-1.24	B 60 K	41/20			37/02			13/22	115	F 16 D	13/68
60-60.5	B 60 L	5/06		H 02 P	5/04			43/00	70	F 16 D	11/06	116.5	F 16 D	63/00
		5/08			7/04	41	F 16 D	11/06			13/22			67/00
61	B 60 L	5/06	1.25	B 60 K	41/20			13/04	70.11	F 16 D	11/04			3/00
62	B 60 L	5/02		F 02 D	9/06			23/00			13/22	125-128	F 16 D	67/00
63-63.5	B 60 L	5/06	1.26-1.42	B 60 K	41/20			43/00	70.12	F 16 D	13/72			71/00
64	B 60 L	5/12	1.43	B 60 K	41/20	42	F 16 D	13/04			13/74		F 16 P	3/00
65	B 60 L	5/12		F 02 D	9/06			23/00	70.13,70.14	F 16 D	13/00	129-131	F 16 D	3/06
		5/22	1.44-1.64	F 02 D	9/06			43/00	70.15	F 16 D	13/24			7/00
66-70	B 60 L	5/12	3.21	F 16 D	33/00	43	F 16 D	11/06			13/66			9/00
		5/16			35/00			13/04	70.16	F 16 D	13/58			67/00
71	B 60 L	5/00			37/00			23/00	70.17	F 16 D	13/68			71/00
72-84	B 60 L	5/10	3.22	F 16 D	33/04			41/10	70.18	F 16 D	13/18	132-135	F 16 D	7/00
85-94	B 60 L	5/00			35/00			43/00	70.19,70.2	F 16 D	13/52			9/00
		5/14	3.23-3.34	F 16 D	33/00	43.1,43.2	F 16 D	11/06	70.21	F 16 D	13/54			67/00
95	B 60 L	5/00			35/00			13/04	70.22	F 16 D	13/04			71/00
					37/00			23/00	70.23,70.24	F 16 D	13/42		F 16 P	3/08
			3.51-3.63	B 60 K	41/22			43/00	70.25,70.26	F 16 D	13/54	136,137	F 16 D	7/00
				F 16 D	67/00	44	F 16 D	3/34	70.27,70.28	F 16 D	13/50			67/00
			4-6	B 60 K	41/26			11/06	70.29,70.3	F 16 D	11/06		F 16 P	3/00
				F 16 D	41/24			13/04			13/38	138-150	F 16 D	11/04
					67/00			15/00			13/48			13/22
				F 16 H	57/10			43/00	71	F 16 D	11/06			13/54
0.02,0.03	F 16 D	23/00		F 16 D	67/00			3/34	72,73	F 16 D	11/06			67/00
		43/00		F 16 H	57/10	45	F 16 D	11/06			13/14		F 16 P	3/00
0.032-0.034	F 16 D	23/00	10,11	F 16 D	13/76			13/04			13/20			
		43/22			67/00			15/00	74-76	F 16 D	11/06			
		47/00		F 16 H	57/10			23/00			13/14			
0.04	B 60 K	41/28	12,13	B 60 K	41/24			41/06	77,78	F 16 D	11/06			
	F 16 D	21/04		F 16 D	67/02			43/00			13/14			
		23/00	14	F 16 D	13/76			15/00			13/16			
		47/00			67/02	45.1	F 16 D	23/00	79-81	F 16 D	11/06			
0.042-0.046	F 16 D	21/04	15	F 16 D	67/02			41/06	82	F 16 D	11/00			
		23/00	16	F 16 D	13/76			43/00			19/00			
		47/00			67/02	45.2	F 16 D	13/00	83	F 16 D	19/00	1-7	B 65 G	11/00
0.048	F 16 D	23/00	17	F 16 D	67/02			23/00			21/00	8	B 65 G	11/04
		47/00	18	F 16 D	11/06			43/00	84	F 16 D	11/06	9-11	B 65 G	11/00
0.049	F 16 D	23/00			13/22	46	F 16 D	11/00			27/00	12,13	B 65 G	11/06
		47/00			67/02			13/00			37/02	14-24	B 65 G	11/00
		65/02	19	F 16 D	67/02			13/04	85	F 16 D	19/00	25	B 65 G	11/10
		67/02	20	F 16 D	21/04			23/00			27-29	B 65 G	11/00	
0.052	F 16 D	21/04	21	F 16 D	11/06			43/00	86	F 16 D	25/00	30	B 65 G	11/14
		47/00			21/04			13/04			19/00	31,32	B 65 G	11/20
0.055,0.058	F 16 D	23/00	21.5	F 16 D	27/00	47	F 16 D	23/00			21/00	33,34	B 65 G	11/16
		47/00	22,23	F 16 D	1/00			43/00	87.1	F 16 D	25/00	35-37	B 65 G	13/00
		67/02			37/02			21/00			19/00	38-41	B 65 G	11/00
0.062	F 16 D	21/04	24	F 16 D	11/06	48.1	F 16 D	39/00			21/08	42	B 65 G	13/00
		23/00	25	F 16 D	3/44			43/00	87.11	F 16 D	25/10	44-48	B 65 G	47/24
		47/00	26	F 16 D	11/06			27/08			21/08			
0.07	F 16 D	23/00	27	F 16 D	3/34	48.2	F 16 D	47/00			25/00			
		47/00			15/00	48.3,48.4	F 16 D	47/00			19/00			
0.072	F 16 D	21/04	28	F 16 D	11/00			47/02	87.12	F 16 D	21/08			
		23/00	29	F 16 D	11/06			47/04			23/10			
		47/00	30	F 16 D	11/00			21/08			25/00			
		65/02			23/00	48.8-48.91	F 16 D	21/02			19/00			
		67/02	31	F 16 D	13/04	48.92	F 16 D	41/04	87.13-87.19	F 16 D	19/00			
0.073	F 16 D	21/04			23/00	49	F 16 D	21/08			21/08	200	G 07 C	3/00
		23/00			31/00			39/00			25/00		G 07 F	3/00
		47/00			41/00	50	F 16 D	21/08	88	F 16 D	19/00			9/02
0.075	F 16 D	23/00			43/00			39/00			21/00	201	G 07 F	3/00
		47/00	32-35	F 16 D	13/04			41/00			23/00	202	G 07 F	3/00
0.076	F 16 D	23/00			23/00	51	F 16 D	11/06	89,90	F 16 D	13/44		G 07 G	3/00
		23/10			41/00			21/08			19/00	203,204	G 07 F	3/00
		47/00			43/00	52	F 16 D	11/06			21/00	205	G 07 F	7/00
0.077	F 16 D	23/00	36	F 16 D	13/04	53	F 16 D	11/00			23/00	206	G 07 F	7/04
		47/00			23/00			13/00	91	F 16 D	13/44	207	G 06 K	7/00
0.08	F 16 D	21/04			41/20	54,55	F 16 D	7/00			19/00			9/00
		23/00			43/00			23/00			21/00			7/00
		47/00			67/02			43/20			23/00		G 07 D	7/00
0.082	F 16 D	23/00	37	F 16 D	11/06	56	F 16 D	7/02			25/00	208,209	G 07 F	7/00
		47/00			13/04			23/00	92-102	F 16 D	21/00	210	G 07 F	7/02
		67/02			15/00			43/20			21/00			7/10
0.084	F 16 D	23/00			23/00	57	F 16 D	25/00			23/00	211-213	G 07 F	7/00
		47/00			43/00			31/00	103	F 16 D	23/10	214	G 05 G	1/00
0.09,0.092	F 16 D	21/04	38	F 16 D	3/34	58	F 16 D	31/00			43/06		G 07 F	1/06
		23/00			11/06	59	F 16 D	25/06	104-106	F 16 D	23/10	215	G 06 M	1/00
		47/00			13/04			31/02			43/24			3/00
		67/02			23/00	60	F 16 D	31/02	106.1,106.2	F 16 D	3/14		G 07 F	9/08

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CONVEYERS, CHUTES, SKIDS, GUIDES AND WAYS

1-7	B 65 G	11/00
8	B 65 G	11/04
9-11	B 65 G	11/00
12,13	B 65 G	11/06
14-24	B 65 G	11/00
25	B 65 G	11/10
27-29	B 65 G	11/00
30	B 65 G	11/14
31,32	B 65 G	11/20
33,34	B 65 G	11/16
35-37	B 65 G	13/00
38-41	B 65 G	11/00
42	B 65 G	13/00
44-48	B 65 G	47/24

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CHECK-ACTUATED CONTROL MECHANISMS

200	G 07 C	3/00
	G 07 F	3/00
		9/02
201	G 07 F	3/00
202	G 07 F	3/00
	G 07 G	3/00
203,204	G 07 F	3/00
205	G 07 F	7/00
206	G 07 F	7/04
207	G 06 K	7/00
		9/00
	G 07 D	7/00
	G 07 F	7/04
208,209	G 07 F	7/00
210	G 07 F	7/02
		7/10
211-213	G 07 F	7/00
214	G 05 G	1/00
	G 07 F	1/06
215	G 06 M	1/00
		3/00
	G 07 F	9/08

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 194—Con.			112	B 01 D	1/00	322,323	B 65 G	15/00	379	B 65 G	47/84	445	B 65 G	47/12
216-218	G 06 F	7/00		C 10 G	3/08			17/00			47/24			47/26
		9/00	114	B 01 D	7/00			43/00			47/244	446	B 65 G	47/68
		15/20		C 10 G	3/10	324,325	B 66 B	25/00			47/248			27/00
219-224	G 07 F	9/08	115	B 01 D	7/00		B 65 G	15/00			47/252			47/12
	G 06 M	1/27			1/00			17/00			47/86			47/26
	G 07 F	9/08		C 10 G	3/00			47/66	380,381	B 65 G	47/24			47/68
225,226	G 06 M	9/08	116-121	C 10 G	7/00	326-328	B 66 B	29/08	382	B 65 G	47/24	447,448	B 65 G	47/12
		1/28		C 10 G	1/02			21/00			47/244			47/26
		3/00	122	C 10 G	7/00	329	B 65 G	21/02			47/248			47/68
227	G 07 F	9/08			9/12		B 66 B	23/24			47/252	449	B 65 G	47/12
	G 06 M	1/28	123-125	B 01 D	3/00	330	B 66 B	23/16	383	B 65 G	47/24			47/26
		3/10		C 10 G	7/00		B 65 G	21/00	384-387	B 65 G	17/32			47/68
228	G 07 F	9/08	126,127	B 01 D	3/08	331	B 66 B	23/02			29/00			47/84
	G 06 M	1/28		C 10 G	7/00			21/00			47/24			47/91
		3/00	128	B 01 D	3/28	332,333	B 66 B	23/06			47/84	450	B 65 G	29/00
		9/08		C 10 G	7/00		B 65 G	23/12	388	B 65 G	47/24			47/12
229-238	G 07 F	5/02	129-131	B 01 D	3/00	334	B 65 G	23/00	389,390	B 65 G	47/24			47/26
		5/10			1/00		B 66 B	21/12			47/44			47/68
239-301	G 07 F	5/00		C 10 G	3/00			23/26	391	B 65 G	27/00			47/84
		11/00		B 01 D	7/00	335-338	B 65 G	15/00			47/24	451,452	B 65 G	47/12
		13/00	132	C 10 G	3/42			17/00	392	B 65 G	29/00			47/26
		15/00		B 01 D	7/00		B 66 B	23/22			47/24			47/68
		17/00	133-137	B 01 D	1/00			23/24	393	B 65 G	17/32	453-455	B 65 G	47/12
302	G 07 F	3/02			3/00	339.1	B 21 B	39/00			29/00			47/26
303-327	G 07 D	5/08	138-140	C 10 G	7/00		B 23 B	13/00			47/14	456-459	B 65 G	47/26
	G 07 F	3/02		B 01 D	3/00		B 23 D	47/04			47/84	460	B 65 G	43/00
328	G 07 D	5/00			5/00		B 23 Q	5/22	394	B 65 G	47/24			47/26
	G 07 F	3/02		C 10 G	7/00			7/00	395	B 65 G	43/08	461,462	B 65 G	47/31
329	G 07 D	5/10	141	B 01 D	3/42		B 27 B	25/00			47/24	463.1	B 65 G	29/00
	G 07 F	3/02			5/00		B 65 G	47/00	396	B 65 G	47/14			37/00
330-333	G 07 D	5/00		C 10 G	7/00	340,341	B 65 G	43/00			47/24	463.2	B 65 G	37/00
	G 07 F	3/02	155	B 01 D	5/00	343,344	B 65 G	15/00	397	B 65 G	17/32			43/00
334-338	G 07 D	5/02		C 10 G	7/00			17/00			29/00	463.3	B 65 B	37/00
	G 07 F	3/02						47/00			47/24		B 65 G	47/34
339-341	G 07 D	5/04				345	B 65 G	15/64			47/84			47/84
	G 07 F	3/02	U.S. Class 198					21/20	398-400	B 65 G	47/24	463.4	B 65 G	29/00
342	G 07 F	9/00	CONVEYERS, POWER-DRIVEN					47/00	401	B 65 G	43/08			37/00
343	G 07 F	1/00				346	B 65 G	47/00			47/24			43/00
344-349	G 07 F	1/04				346.1-346.3	B 65 G	37/00	402,403	B 65 G	47/24			47/02
350	G 07 F	9/10	300	B 65 G	41/00			43/00	404	B 65 G	15/00	463.5	B 65 G	25/00
351	G 07 F	1/00			65/02			43/08			17/00			37/00
352	G 07 F	9/10	301	B 65 G	41/00		B 65 G	49/02			29/00			47/04
353	G 07 F				43/00	347		1/00	405	B 65 G	47/24			47/34
900	G 07 B	15/04			65/02			37/00			15/00	463.6	B 65 G	47/46
	G 07 F	17/24	302-306	B 65 G	41/00	348-355	B 65 G	37/00			17/00			37/00
901,902	G 07 B	15/00			65/02			47/10			47/24			43/00
903	G 07 C	9/02	307.1	B 65 G	17/36			47/46	406,407	B 65 G	47/24			47/84
	G 07 F	17/14			41/00	356	B 65 G	37/00	408	B 65 G	15/00			47/86
904	G 07 F	17/00			65/02			43/00			17/00	464.1	B 65 G	37/00
		17/06	308.1	B 65 G	65/04			43/08			29/00			43/00
		17/10			65/14			47/10			47/24			43/08
		17/20	309,310	B 65 G	41/00	357	B 65 G	47/46	409	B 65 G	25/00	464.2	B 65 G	29/00
905	G 07 F	7/00			65/02			37/00			47/24			37/00
	G 07 G	5/00	311	B 65 G	41/00			43/00	410-413	B 65 G	47/24			43/00
					47/18			47/10	414	B 65 G	29/00			43/08
					47/44			47/46			47/24			47/84
					65/02	358	B 65 G	37/00	415,416	B 65 G	47/24	464.3	B 65 G	37/00
			312	B 65 G	21/10			43/00			47/24			43/00
					41/00			43/08	417	B 65 G	47/44			43/08
					65/02			47/10	418	B 65 G	47/26	464.4	B 65 G	25/00
			313	B 65 G	15/26			47/46	418.1,418.2	B 65 G	47/30			29/00
14.5	C 10 G	73/00			17/28	359,360	B 65 G	37/00	418.3,418.4	B 65 G	47/30			37/00
14.52	B 01 D	11/00			21/14			47/10			57/00			43/00
	C 10 C	1/18			41/00			47/44	418.5,418.6	B 65 G	47/30	465.1	B 65 G	29/00
		3/08			65/02			47/46	418.7-428	B 65 G	47/26			37/00
46,46.1	C 10 G	21/00	314	B 65 G	21/10	361	B 65 G	13/00	429,430	B 65 G	25/00			47/84
	C 10 C	1/20			37/00			37/00			47/26			49/00
	C 10 G	17/00			41/00			47/10	431-434	B 65 G	47/26	465.2	B 65 G	25/00
		19/00			65/02			47/46	435,436	B 65 G	47/26			29/00
		21/00	315	B 65 G	21/10	362-372	B 65 G	37/00			47/68			37/00
		33/00			41/00			47/10	437	B 65 G	43/00			47/84
98-105	B 01 D	1/00			65/02			47/46			47/26	465.3	B 65 G	37/00
		3/00	316.1	B 65 G	21/00	373	B 65 G	47/24			47/68			47/04
	C 10 C	1/04			41/00			47/256	438,439	B 65 G	47/26			47/34
		3/06			65/02	374,375	B 65 G	47/24	440	B 65 G	47/26			47/84
	C 10 G	1/02			21/10	376	B 65 G	43/08			47/84	465.4	B 65 G	29/00
		7/00	317-320	B 65 G	41/00			47/24	441	B 65 G	29/00			37/00
		9/08			65/02	377	B 65 G	17/32			47/26			43/08
106	B 01 D	1/26			15/00			29/00			47/84			47/34
		3/02	321	B 65 G	17/00			47/24	442	B 65 G	47/26			47/84
	C 10 G	7/00			21/00			47/84	443	B 65 G	47/12	466.1	B 65 G	29/00
107-111	B 01 D	1/00		B 66 B	23/00	378	B 65 G	17/32			47/26			37/00
		3/04			25/00			23/38	444	B 65 G	43/00			47/84
	C 10 G	1/02			29/00			29/00			47/00	467.1	B 65 G	33/02
		7/00			31/00			47/24			47/26			37/00
		9/18												

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 198—Con.														
468.01	B 65 G	25/00	484.1	B 65 G	47/84	539	B 65 G	13/00	582	B 65 G	37/00	644	B 65 G	17/00
		29/00			15/44	540-543	B 65 G	47/04			47/18	657	B 65 G	49/00
		37/00			37/00			47/18	583	B 65 G	21/06	658	B 65 G	33/00
468.1	B 65 G	29/00			47/04	544	B 65 G	15/00			37/00	659-662	B 65 G	33/12
		37/00			47/34			17/00			41/00	663	B 65 G	33/26
		47/38	485.1,486.1	B 65 G	47/84			19/00	584	B 65 G	21/06	664,665	B 65 G	33/06
		47/84			29/00			47/04			21/10	666-668	B 65 G	33/30
468.11	B 65 G	29/00	487.1	B 65 G	37/00	545	B 65 G	47/18			37/00	669	B 65 G	33/32
		37/00			47/84			33/00	585	B 65 G	41/00	670,671	B 65 G	33/26
		47/04	493	B 65 G	47/22	546	B 65 G	47/18	586,587	B 65 G	37/00	672,673	B 65 G	33/00
		47/34	494	B 65 G	45/00			47/04			21/10	674,675	B 65 G	33/32
		47/84			45/10			47/44	588	B 65 G	37/00	676,677	B 65 G	33/34
468.2	B 65 B	47/00			45/20	547	B 65 G	15/00			15/26	678	B 65 G	33/26
	B 65 G	25/00			45/24			17/00			17/28	679	B 65 G	17/32
		37/00			45/26			19/00			21/10		B 65 G	15/58
		47/34	495	B 65 G	45/00			47/04	589	B 65 G	21/10		B 65 G	17/46
		47/86			45/22			47/18			37/00	680-687	B 65 G	39/08
468.3	B 65 B	47/00	496	B 65 G	45/00	548	B 65 G	33/00	590	B 65 G	37/00	688.1	B 65 G	47/92
	B 65 G	25/00			45/18			47/04			21/10		B 65 G	17/32
		37/00	497	B 65 G	45/00			47/18			37/00		B 65 G	13/02
468.4	B 65 B	47/00	498	B 65 G	45/12	549	B 65 G	17/36	591	B 65 G	41/00		B 65 G	15/42
	B 65 G	29/00			45/14			47/04			21/10		B 65 G	17/46
		37/00	499	B 65 G	45/00	550.01	B 65 G	47/18			21/20	689.1	B 65 G	25/00
		47/34			45/16			17/36	592,593	B 65 G	37/00		B 65 G	29/00
468.5	B 65 G	15/58	500	B 65 G	45/02			33/00			37/00		B 65 G	13/02
		37/00			45/08			47/18	594	B 65 G	21/10		B 65 G	15/42
		47/04	501	B 65 G	39/00			47/44			15/26		B 65 G	25/00
		47/34			45/02			65/04			17/28		B 65 G	29/00
		47/84			45/04	550.1	B 65 G	65/34			21/10	690.1	B 65 G	47/92
468.6	B 65 G	15/58	502.1-502.4	B 65 G	43/00			21/00	595,596	B 65 G	21/10		B 65 G	15/58
		17/12			47/00	550.11	B 65 G	41/00			27/34		B 65 G	17/46
		37/00	503	G 06 M	7/00			65/34	597,598	B 65 G	37/00		B 65 G	21/00
		43/08	504	G 01 G	11/00	550.12	B 65 G	47/00			47/34		B 65 G	39/08
		47/34			13/00	550.13	B 65 G	47/40			47/82	690.2	B 65 G	41/00
		47/84			19/22			65/30	599	B 65 G	37/00		B 65 G	47/92
468.7	B 65 G	25/00	505	G 01 G	11/08			65/34			47/34		B 65 G	13/02
		29/00			13/22	550.12	B 65 G	21/00			47/76		B 65 G	15/42
		37/00	506	B 65 G	65/00			41/00			37/00		B 65 G	17/46
		47/34			43/00	550.2,550.3	B 65 G	65/34	600	B 65 G	47/66	691	B 65 G	25/00
		47/86	507	B 65 G	65/00	550.4-550.6	B 65 G	65/34			47/66		B 65 G	29/00
468.8	B 65 G	29/00			65/02			15/00	601	B 65 G	37/00		B 65 G	47/92
		37/00	508	B 65 G	65/00			17/00			47/72	692	B 65 G	13/02
		47/04			65/28			47/06	602,603	B 65 G	37/00		B 65 G	15/42
		47/34			65/02			47/18	604,605	B 65 G	15/14		B 65 G	17/46
		47/84	509	B 65 G	17/36			47/44			37/00		B 65 G	25/00
468.9	B 65 G	29/00			65/02			65/34	606,607	B 65 G	15/24		B 65 G	29/00
		37/00	510.1-512	B 65 G	65/02	550.7	B 65 G	17/36			17/26	693	B 65 G	13/02
		47/34	513	B 65 G	65/22			33/00			37/00		B 65 G	15/42
		47/84	514	B 65 G	65/02			47/18	608	B 65 G	29/00		B 65 G	25/00
469.1	B 65 G	29/00	515	B 65 G	65/16			47/44			37/00		B 65 G	29/00
		37/00	516	B 65 G	65/06			65/34	609	B 65 G	27/34	697-699	B 65 G	15/44
		47/04	517	B 65 G	65/08	550.8,550.9	B 65 G	15/00			37/00	699.1	B 65 G	13/02
		47/38	518	B 65 G	65/16			17/00			37/00		B 65 G	15/42
		47/84	519	B 65 G	65/02			47/06	610	B 65 G	29/00		B 65 G	17/46
470.1	B 65 G	25/00	520	B 65 G	19/00			47/18	611-613	B 65 G	37/00		B 65 G	25/00
		29/00			65/00			47/44			25/00		B 65 G	29/00
		37/00			65/06			65/34	614	B 65 G	29/00	700	B 65 G	15/00
		47/84	521	B 65 G	27/00	560,561	B 65 G	47/44			37/00		B 65 G	17/00
		47/86			65/00	562	B 65 G	47/04	615	B 65 G	35/00	701,702	B 65 G	17/36
471.1	B 65 G	17/46			65/14			47/18			47/00		B 65 G	35/00
		29/00	522	B 65 G	65/04	563	B 65 G	47/04	617	B 65 G	35/00	703-705	B 65 G	17/36
		37/00	523	B 65 G	11/00			47/18	618,619	B 65 G	37/00		B 65 G	35/00
		47/04			13/00			47/44	620	B 65 G	25/00		B 65 G	47/34
		47/34			47/04	564	B 65 G	31/00	621	B 65 G	37/00	706	B 65 G	47/40
		47/84			47/18			47/04			37/00	707,708	B 65 G	17/36
472.1	B 65 G	15/00			47/44			47/18	622,623	B 65 G	29/00		B 65 G	35/00
		15/44	524	B 65 G	43/00	565-567	B 65 G	47/04	624	B 65 G	37/00	709	B 65 G	17/36
		29/00			47/04			47/18			33/06		B 65 G	23/44
		37/00			47/18	568,569	B 65 G	47/44	625	B 65 G	37/00	710	B 65 G	17/36
		47/34			47/44	570	B 65 G	37/00			15/14		B 65 G	21/00
		47/84	525-534	B 65 G	47/04	571	B 65 G	37/00	626-628	B 65 G	35/00	711,712	B 65 G	17/36
473.1	B 65 G	29/00			47/19			43/00	629,630	B 65 G	21/10	713,714	B 65 G	17/36
		37/00			47/44	572,573	B 65 G	37/00	631,632	B 65 G	41/00		B 65 G	35/00
		47/84	535,536	B 65 G	21/10			43/08			47/74	715	B 65 G	17/04
474.1	B 65 G	29/00			47/04	574	B 65 G	37/00	633	B 65 G	43/00		B 65 G	17/32
		47/84			47/20	575	B 65 G	43/10	634	B 65 G	43/08	716	B 65 G	19/14
475.1-482.1	B 65 G	29/00			47/44	576,577	B 65 G	37/00			47/42	717	B 65 G	19/00
		37/00	537	B 65 G	47/04			21/10	635-637	B 65 G	47/74		B 65 G	25/00
		47/04			47/18	578	B 65 G	37/00			31/00		B 65 G	35/00
		47/34			47/44			41/00	638	B 65 G	31/00	718	B 65 G	19/00
483.1	B 65 G	37/00	538	B 65 G	21/10	579,580	B 65 G	37/00	639	B 65 G	43/00		B 65 G	25/00
		47/04			47/04	581	B 65 G	21/10			31/00		B 65 G	35/00
		47/34			47/20			37/00	640,641	B 65 G	31/04		B 65 G	43/00
					47/44			41/00	642	B 65 G	15/00	719,720	B 65 G	19/00
									643	B 65 G			B 65 G	

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 198—Con.														
		25/00			47/86			47/84			25/00	16	H 01 H	15/00
		35/00			49/00			47/86			29/00	17,18	H 01 H	3/00
		19/30			49/06			49/00			35/00	19,20	H 01 H	19/00
721	B 65 G	25/00	803.1	B 65 G	25/00	803.9	B 65 G	25/00	859	B 65 G	23/38	21	H 01 H	19/00
		35/00			29/00			37/00			25/00			39/00
		19/30			37/00			47/84			29/00	22,23	H 01 H	19/00
		25/00			47/84			47/86			35/00	24-26	H 01 H	39/00
		35/00			47/86			49/00		860.1-861.1	B 65 G	21/00	H 01 H	19/62
722-724	B 65 G	35/00			49/00	804	B 65 G	15/00			21/08	27	H 01 H	19/00
725,726	B 65 G	35/02	803.11	B 65 G	17/34	805	B 65 G	17/00			21/10	28,29	H 01 H	19/00
		19/06			25/00			15/60			41/00	30,31	H 01 H	19/62
		19/22			29/00			23/18		861.2-861.4	B 65 G	33	H 01 H	43/00
727	B 65 G	19/00			47/84			39/16			41/00	34	H 01 H	7/03
		19/00			47/86	806-808	B 65 G	15/00		861.5,861.6	B 65 G	35	H 01 H	43/00
728	B 65 G	19/00			49/00	809	B 65 G	17/00			41/00			7/08
729	B 65 G	23/00			49/06			15/00		866	B 65 G	35/00	H 01 H	43/00
		19/24			25/00	810	B 65 G	17/00				36-41	H 01 H	7/08
730,731	B 65 G	19/26	803.12	B 65 G	29/00			43/00						43/10
732	B 65 G	19/08			37/00			15/60				42.01	H 01 H	27/10
733	B 65 G	19/24			47/34	811	B 65 G	23/18				42.02	H 01 H	27/00
		19/06			47/84			15/60				43.01	H 01 H	9/28
		19/22	803.13	B 65 G	37/00	812	B 65 G	21/14				43.02	H 01 R	13/70
734	B 65 G	19/18			47/04			23/44				43.03	H 01 H	27/06
		19/28			47/34	813-816	B 65 G	15/10				43.04	H 01 H	27/00
736-739	B 65 G	25/00			47/84	817	B 65 G	15/08				43.05	H 01 R	31/08
740	B 65 G	25/02			49/00	818-821	B 65 G	15/40				43.06,43.07	H 01 H	27/00
741-745	B 65 G	25/00			49/06			17/10				43.08	H 01 H	27/06
746	B 65 G	25/10			13/02	822	B 65 G	15/60				43.09	H 01 H	27/10
747,748	B 65 G	25/04	803.14	B 65 G	15/42	823	B 65 G	15/08				43.11-43.19	H 01 H	9/28
749,750	B 65 G	25/00			17/12			15/08				43.21	H 01 H	3/20
751	B 65 G	43/00			17/16	824-830	B 65 G	15/08				43.22	H 01 H	9/28
		27/00			17/32			19-21				46	H 01 H	43/08
752	B 65 G	27/32			17/34	831	B 65 G	15/02				47	H 01 H	3/16
753	B 65 G	27/00			17/46			21/16						3/18
754,755	B 65 G	27/02			29/00	832	B 65 G	23/00						15/14
756,757	B 65 G	27/06			37/00	833	B 65 G	23/14						17/12
758	B 65 G	27/08			47/04	834	B 65 G	23/06						19/18
759	B 65 G	27/16			47/34	835	B 65 G	23/04						21/28
		27/28			47/84	836	B 65 G	15/00						31/00
760	B 65 G	27/32			49/06			17/00				48	H 01 H	33/00
761,762	B 65 G	27/08	803.15	B 65 G	17/34			39/18				49	H 01 H	9/20
763-765	B 65 G	27/16			25/00			21/20				50	H 01 H	33/46
766,767	B 65 G	27/22			29/00	837	B 65 G	15/60				51,51.01	H 01 R	13/70
768	B 65 G	27/24			47/84			21/20				51.02-51.08	H 01 R	19/00
769	B 65 G	27/20			47/86	838	B 65 G	15/60						21/00
770	B 65 G	27/00			49/00	839	B 65 G	15/60						23/00
771	B 65 G	25/00			49/06			21/20				51.09,51.1	H 01 R	33/96
772-775	B 65 G	25/02	803.16	B 65 G	29/00			39/10				51.11	H 01 R	19/40
776	B 65 G	25/00			37/00			47/94				51.12	H 01 R	33/96
777	B 65 G	13/02	803.2	B 65 G	29/00	840	B 65 G	15/60				51.13-51.17	H 01 R	33/955
778	B 65 G	21/18			47/84			63-66				52	H 01 H	35/00
		17/00			49/00	841	B 65 G	17/00				56	G 01 D	13/26
779	B 65 G	17/24			49/06			39/16				60	F 21 V	23/04
		13/02	803.3	B 65 G	25/00			69				61	H 01 H	35/00
780	B 65 G	13/06			29/00	842,843	B 65 G	39/10				61.01	H 01 H	35/24
781	B 65 G	13/02			47/04	844	B 65 G	15/30				61.02	H 01 J	47/00
782	B 65 G	13/12			47/34			75-79				61.03	H 01 H	35/24
		13/06			47/86	845	B 65 G	39/20				61.04,61.05	H 01 H	29/00
783,784	B 65 G	13/02			49/06	846	B 65 G	15/30				61.06,61.07	H 01 H	35/42
785,786	B 65 G	13/02	803.4	B 65 G	25/00	847	B 65 G	15/34				61.08	H 01 H	85/00
787	B 65 G	13/08			29/00	848	B 65 G	15/54				61.09-61.12	H 01 H	3/16
		13/06			47/24	849	B 65 G	15/54				61.13-61.18	H 01 H	9/00
788,789	B 65 G	13/07			49/00			17/38				61.19	H 01 H	27/04
790	B 65 G	13/06	803.5	B 65 G	17/46	850-853	B 65 G	17/06				61.2-61.24	H 01 H	35/00
791	B 65 G	23/00			25/00			17/38				61.25,61.26	H 01 H	35/24
792	B 65 G	17/12			47/84	854	B 65 G	23/00				61.27,61.28	H 01 H	3/16
793	B 65 G	17/16			47/86			25/00				61.29	H 01 H	3/14
		17/32			47/91			35/00				61.3-61.44	H 01 H	3/16
		17/34			49/00	855	B 65 G	23/00				61.45	H 01 H	35/02
794	B 65 G	17/12	803.6	B 65 G	15/46			25/00				61.46	H 01 H	29/02
		17/16			15/58			29/00						29/26
		43/00			29/00			35/00				61.47-61.52	H 01 H	35/02
795	B 65 G	35/08			37/00			43/00				61.53	H 01 H	35/14
797	B 65 G	17/16			39/08	856	B 65 G	23/00				61.54-61.57	H 01 H	9/00
798	B 65 G	17/18			47/84			25/00				61.58-61.63	H 01 H	3/16
799	B 65 G	17/16			47/92			19/00				61.64-61.68	H 01 H	27/06
800	B 65 G	17/18			49/06			21/00				61.69-61.76	H 01 H	3/16
801	B 65 G	17/12	803.7	B 65 G	29/00			19/56				61.77	H 01 H	17/12
		17/32			37/00			43/00				61.78-61.82	H 01 H	3/16
		17/16			47/84	857	B 65 G	23/00				61.83	H 01 H	35/02
		17/32			47/86			25/00				61.84	H 01 H	3/16
802	B 65 G	29/00			49/00			29/00				61.85-61.88	H 01 H	9/06
		37/00	803.8	B 65 G	17/44			35/00				61.89,61.9	H 01 H	3/14
803.01	B 65 G	47/44			29/00			43/08				61.91	H 01 H	3/16
		47/84			37/00	858	B 65 G	23/00				61.93	H 01 H	3/02
												79	H 01 H	3/16

U.S. Class 199

TYPE CASTING

U.S. Class 200

ELECTRICITY, CIRCUIT MAKERS AND
BREAKERS

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 200—Con.														
80	H 01 H	35/10	231	H 01 H	29/20	293.1	H 01 H	21/12	417	H 01 H	5/00	552	H 01 H	13/00
81.8, 81.4	H 01 H	35/24			29/02	294-297	H 01 H	9/04	418	H 01 H	3/12			13/14
81.5	H 01 H	35/26			29/04			9/02	419	H 01 H	3/36	553	H 01 H	21/00
81.6	H 01 H	29/28	232	H 01 H	29/02			9/04	420	H 01 H	21/48	554	H 01 H	1/42
81.8	H 01 H	35/36	233, 234	H 01 H	29/06			9/06	421	H 01 H	17/08			21/54
81.9	H 01 H	35/40	235	H 01 H	29/04			13/04	422	H 01 H	21/50	555	H 01 H	1/42
82	H 01 H	35/38	236	H 01 H	29/02			13/08	423	H 01 H	13/14	556	H 01 H	3/20
83	H 01 H	35/40			29/04			19/04	424-427	H 01 H	17/08			21/00
84	H 01 H	35/18	237	H 01 J				19/08	428	H 01 H	3/20	557	H 01 H	21/24
85, 86	H 01 H	3/02	238	H 01 H	1/00			21/04	429	H 01 H	3/42	558, 559	H 01 H	21/82
86.5	H 01 H	3/14			9/00			21/06	430	H 01 H	15/18	560	H 01 H	19/00
144	H 01 H	9/30	239	H 01 H	1/14	298-300	H 01 H	21/10			3/20	561	H 01 H	15/00
		33/00	240	H 01 H	1/16			21/12	431	H 01 H	5/00	562, 563	H 01 H	15/02
145	H 01 H	9/40	241	H 01 H	1/18			9/02	432	H 01 H	5/10	564	H 01 H	19/14
		33/14	242	H 01 H	1/60			13/14	433-435	H 01 H	3/50	565	H 01 H	13/62
146	H 01 H	9/38	243	H 01 H	1/20			19/04	436	H 01 H	5/08	566	H 01 H	13/62
		33/12	244	H 01 H	1/22	301	H 01 H	21/04	437, 438	H 01 H	5/08	567	H 01 H	1/16
147	H 01 H	9/44	245, 246	H 01 H	1/24			3/60	439	H 01 H	3/42	568-571	H 01 H	19/20
		33/18			1/26			9/00	440	H 01 H	1/50	572	H 01 H	15/06
148	H 01 H	33/82			1/28			9/02			5/06	573, 574	H 01 H	3/42
149	H 01 H	33/60	247	H 01 H	1/30	302.1	H 01 H	9/04	441	H 01 H	21/00	600	H 03 K	17/975
150	H 01 H	33/68	248	H 01 H	1/32	302.2	H 01 H	13/06	442	H 01 H	5/08			
151	H 01 H	9/32	249	H 01 H	1/34	302.3	H 01 H	19/06	443-446	H 01 H	5/00			
		33/06	250, 251	H 01 H	1/50	303-307	H 01 H	9/02	447, 448	H 01 H	5/30			
175	H 01 H	63/00	252	H 01 H	1/36			13/04	449, 450	H 01 H	5/00			
176, 177	H 01 H	67/14	253	H 01 H	1/60			19/04			15/18			
178	H 01 H	67/02	253.1	H 01 H	1/38	308-317	H 01 H	21/04	451	H 01 H	5/22			
179	H 01 H	67/26	254	H 01 H	1/42	318, 318.1	H 01 H	9/00	452	H 01 H	5/18			
180	H 01 H	63/26	255, 256	H 01 H	1/50			1/52	453, 454	H 01 H	5/06	1	C 10 B	47/00
181	H 01 H	57/00	257	H 01 H	1/44			3/20	455	H 01 H	5/10			49/00
182-185	H 01 H	29/00	258	H 01 H	1/45	318.2	H 01 H	9/00	456	H 01 H	5/18			51/00
186	H 01 H	29/08	259	H 01 H	1/48			1/52	457	H 01 H	5/06			53/00
187-189	H 01 H	29/00	260, 261	H 01 H	1/50			3/20	458	H 01 H	5/10			55/00
190	H 01 H	29/28	262	H 01 H	1/02			9/00	459, 460	H 01 H	5/08			57/00
		29/30	263	H 01 H	1/04			13/62	461	H 01 H	5/18	2	C 10 B	43/00
191, 192	H 01 H	29/00	264-270	H 01 H	1/02	319-327	H 01 H	13/68	462-466	H 01 H	5/06			47/00
193, 194	H 01 H	29/06	271-274	H 01 H	1/00			1/52	467	H 01 H	5/08			49/00
195, 196	H 01 H	29/26			9/00			3/20	468	H 01 H	5/00			51/00
		29/32	275, 276	H 01 H	1/06	329	H 01 H	9/00	469	H 01 H	3/48			53/00
197	H 01 H	29/00	276.1	H 01 H	1/06			3/00	470, 471	H 01 H	3/20			55/00
		29/32			3/12	330	H 01 H	13/00	472	H 01 H	1/42			57/00
198	H 01 H	29/16	277	H 01 H	1/06	331	H 01 H	3/20	500, 501	H 01 H	3/40	2.5	C 10 B	57/00
		29/26			1/16	332	H 01 H	17/00	502	H 01 H	1/00	3	C 10 B	33/00
		29/32	277.1	H 01 H	3/12			3/20	503, 504	H 01 H	1/12			47/00
199-201	H 01 H	29/16	277.2	H 01 H	21/00	332.1	H 01 H	15/00	505	H 01 H	3/02			49/00
202	H 01 H	29/16	278	H 01 H	1/10	332.2	H 01 H	9/02	506	H 01 H	1/40			51/00
203-207	H 01 H	29/20	279	H 01 H	1/06	333	H 01 H	9/06	507	H 01 H	3/40			53/00
		29/02	280, 281	H 01 H	9/00			13/04	508	H 01 H	3/32			55/00
208	H 01 H	29/20	282	H 01 H	1/42	334	H 01 H	19/04	509, 510	H 01 H	1/56	4	B 01 D	57/00
		29/00	283	H 01 H	1/26			9/20	511	H 01 H	1/02		C 10 B	45/00
209	H 01 H	29/00			1/28			13/00	512-517	H 01 H	1/10			27/00
		29/18			1/44			13/14	518	H 01 H	13/68			33/00
210	H 01 H	29/00	284	H 01 H	1/00	335	H 01 H	3/04	519	H 01 H	19/46			47/00
		29/16	285	H 01 H	1/60			3/20	520, 521	H 01 H	13/14			49/00
		29/18			3/62	336	H 01 H	3/08	522	H 01 H	13/02			51/00
211, 212	H 01 H	29/00	286, 287	H 01 H	1/34			19/00	523	H 01 H	13/56			53/00
		29/02			1/48			19/14	524	H 01 H	3/42			55/00
213	H 01 H	29/00			37/24	337	H 01 H	21/00	525	H 01 H	13/42	5.6	C 10 B	45/02
		29/02			37/26	338, 339	H 01 H	25/00	526	H 01 H	13/58			53/00
		29/16			37/28			3/00	527, 528	H 01 H	19/62		C 10 L	5/02
214-218	H 01 H	29/02			37/30	341	H 01 H	13/00	529	H 01 H	3/02	7.8	C 10 B	53/08
219	H 01 H	29/02	288	H 01 H	3/60			3/12	530	H 01 H	13/14	9	C 10 B	57/08
		29/12	289	H 01 H	1/62	342	H 01 H	13/14	531	H 01 H	13/12		C 10 L	9/00
		29/14			9/52	343-345	H 01 H	3/48	532	H 01 H	13/36	10	C 10 B	17/00
220, 221	H 01 H	29/16			37/74	400	H 01 H	13/70	533	H 01 H	3/42			49/00
		29/20			50/12	401	H 01 H	5/00	534	H 01 H	1/14			51/00
		29/22	290	H 01 H	1/26			23/00			13/14	11	C 10 B	47/14
222	H 01 H	29/04			402			5/00	535	H 01 H	1/26			47/26
		29/20			1/28			29/00	536	H 01 H	1/36			49/14
		29/24			1/44	404	H 01 H	5/02	537	H 01 H	15/00	12	C 10 B	47/00
223-225	H 01 H	29/20	291, 292	H 01 H	1/50	405	H 01 H	5/00	538	H 01 H	15/24			49/16
		29/24	293	H 01 H	9/00	406	H 01 H	5/18	539	H 01 H	3/20			55/02
		29/22			1/64	407	H 01 H	5/20			15/00	13-16	C 10 B	47/00
226, 227	H 01 H	29/04			1/66	408	H 01 H	5/14	540-542	H 01 H	15/06			51/00
		29/20			9/02	409	H 01 H	5/30	543	H 01 H	15/00	17	C 10 B	57/00
		29/22			9/06	410	H 01 H	5/00			17/08	18	C 10 B	29/00
228, 229	H 01 H	29/24			13/04	411	H 01 H	19/24	544	H 01 H	15/00	19	C 10 B	19/00
		29/20			13/08	412	H 01 H	3/20			17/18			47/00
		29/22			13/10	413	H 01 H	3/12	545	H 01 H	15/00			49/00
		29/24			19/04	414	H 01 H	17/08			17/06			51/00
230	H 01 H	29/14			19/08	415	H 01 H	3/20	546	H 01 H	17/02			53/00
					21/04			3/20	547	H 01 H				55/00
					21/06			5/00	548	H 01 H	15/02			57/00
					21/10	416	H 01 H	3/42	549-551	H 01 H	15/06	20	C 10 B	57/04

U.S. Class 201

DISTILLATION: PROCESSES, THERMOLYTIC

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 201—Con.									U.S. Class 203			U.S. Class 204		
									DISTILLATION: PROCESSES, SEPARATORY			CHEMISTRY, ELECTRICAL AND WAVE ENERGY		
21-23	B 09 B	57/12	100	C 10 B	49/00	168-170	B 01 D	3/00				1	B 01 D	59/40
	C 10 B	3/00	101	C 10 B	21/00			11/00					C 25 B	
		53/00			49/00	172-174	B 01 D	3/02					C 25 C	
		55/00	102	C 10 B	9/00	175-180	B 01 D	3/00	1-3	B 01 D	3/42		C 25 D	
		57/04			47/08	181	B 01 D	3/42	4	B 01 D	3/00		C 25 B	
24	C 10 B	53/00			3/00	182-184	B 01 D	3/14	5	B 01 D	59/04	1.5	C 25 C	
		57/04			5/00	185.1-185.6	B 01 D	3/00	6,7	B 01 D	3/34		C 25 B	
25	C 10 B	51/00	103,104	C 10 B	7/00	186-196	F 28 B				11/00		C 25 C	
		57/04			15/02	197	F 28 B				14/00		C 25 D	
	C 10 F	5/06			47/00	198,199	B 01 D	3/00			3/00		C 25 B	1/22
26	C 10 B	57/02	105-107	C 10 B	1/00	200-204	B 01 D	3/00	8	B 01 D	59/00		C 25 C	3/34
27	C 10 B	47/00			47/00	205	B 01 D	3/10					C 25 D	3/54
		49/00	108	C 10 B	1/00	206	B 01 D	3/42						5/32
		51/00			49/00	207	C 10 B	1/00						5/46
		53/00			51/00			9/00						11/28
		55/00	109	C 10 B	1/00	208	C 10 B	47/00	9	C 01 D	3/00	2	B 21 H	1/20
		57/00			27/00	209	C 10 B	21/00		C 07 B	59/00		B 41 C	3/08
28,29	C 10 B	21/18	110	C 10 B	1/00	210	C 10 B	47/00		B 01 D	7/00		B 41 M	5/20
		47/28			13/00			21/00	10,11	C 07 C	3/00	2.1	G 03 G	
		49/00	111	C 10 B	1/00	211,212	C 10 B	53/02		B 63 J	3/10	3,4	H 01 M	10/44
		51/00			5/14	213	C 10 B	9/00		C 02 F	4/00	5	C 25 D	1/00
		53/00			5/20	214	C 10 B	33/00	12	B 01 D	1/04		C 25 D	1/00
		55/00	112	C 10 B	1/00	215	C 10 B	23/00	13	C 01 B	3/00		G 11 B	3/70
		57/00			57/18			49/00	14,15	C 07 C	51/44	6	B 41 C	3/08
30	B 01 D	5/00	113-116	C 10 B	1/00	216	C 10 B	1/00	16	C 07 C	51/44	7	C 25 D	1/10
	C 10 B	47/00	117	C 10 B	1/00	217	C 10 B	1/00			53/08	8	C 25 D	1/06
		49/00			7/00	218	C 10 B	1/04			45/82		B 44 C	1/04
		51/00			31/00			49/00	17	C 07 C	29/80	9	C 25 D	1/00
		53/00	118	C 10 B	1/00	219,220	C 10 B	1/00	18	C 07 C	29/80	10	C 25 D	1/02
		55/00			7/10	221	C 10 B	1/04		C 12 F	1/04		C 25 D	1/00
		57/00	119	C 10 B	1/00	222-225	C 10 B	1/00	19	C 07 C	29/80			5/00
31	C 10 B	47/24			7/00	226	C 10 B	1/00			31/08	11	C 25 D	1/08
		49/10	120,121	C 10 B	1/04			1/04	20	B 01 B	1/02	12,13	C 25 D	1/04
		49/22			49/00	227	C 10 B	39/00		B 01 D	19/02	14.1	C 25 D	5/00
32,33	C 10 B	55/10	122	C 10 B	1/04	228	C 10 B	39/02	21-27	B 01 D	3/00	15,16	C 25 D	5/02
		47/20			5/20			39/04	28-38	B 01 D	3/34	17	B 41 C	3/08
		49/06	123	C 10 B	1/04	229	C 10 B	39/04	39	B 01 D			B 41 N	1/04
		49/18			5/12	230	C 10 B	39/04	40	B 01 D	3/00	18.1	B 44 C	1/04
		55/06	124-127	C 10 B	1/04	232-235	B 01 D	3/00			45/00	19	C 25 D	9/08
		47/18			21/20	236	B 01 D	3/08	41	B 01 D	15/00	20-22	C 25 D	5/54
34	C 10 B	49/04	128,129	C 10 B	1/08	237	B 01 D	3/04	42	B 01 D	3/34	23	C 25 D	5/00
		55/04			49/00	238	B 01 D	3/08			5/00	24	C 25 D	7/00
35	C 10 B	47/00	130	C 10 B	1/08	239	B 01 D	3/00			47/00	25,26	C 25 D	7/04
		49/00			5/12			3/28			11/00	27,28	C 25 D	7/00
		51/00			5/20	241	C 10 B	43/00	43,44	B 01 D	3/00	29	C 25 D	5/24
		53/00	131	C 10 B	1/10	242	C 10 B	1/00	45,46	B 01 D	3/00			5/34
		55/00			1/08	243	C 10 B	25/00	47	B 01 D	21/00	30,31	C 25 D	5/54
		57/00	132	C 10 B	1/06	244-246	C 10 B	25/00			24/00	32.1	C 25 D	5/34
36-38	C 10 B	57/12	133-135	C 10 B	49/00	247,248	C 10 B	1/06			29/00	33	C 25 D	5/44
39	C 10 B	39/00			1/06			25/06			43/00	34	C 25 D	5/36
		47/00	136	C 10 B	1/10	249	C 10 B	1/10			9/00	34.5	C 25 D	5/34
		49/00			1/06	250	C 10 B	25/22	48	B 01 D	3/34	35.1	C 25 D	5/44
		51/00	137	C 10 B	21/20	251	C 10 B	31/00	49-70	B 01 D	3/00	36	C 25 D	5/52
		53/00			1/06	252	C 10 B	25/00	71,72	B 01 D	3/00	37.1,37.3	C 25 D	5/50
		55/00	138	C 10 B	5/00	253	C 10 B	39/00	73-75	B 01 D	3/00	37.6	C 25 D	5/44
		57/00			5/02			39/06			3/10	38.1-38.7	C 25 D	5/00
40	C 10 B	31/00	139	C 10 B	1/06	254,255	C 10 B	27/00	76	B 01 D	3/00	39	C 25 D	3/66
		37/00			5/20	256	C 10 B	27/06			3/38	40	C 25 D	5/10
		49/00	140	C 10 B	1/06	257	C 10 B	27/06	77,78	B 01 D	3/00	41	C 25 D	5/12
		51/00			1/06	258	C 10 B	27/06			3/10	42	C 25 D	5/00
		53/00	141-144	C 10 B	5/12	259,260	C 10 B	27/06			3/10			11/00
		55/00			21/00	261	C 10 B	33/00	79	B 01 D	3/00	43.1	C 25 D	3/56
		57/00			1/06	262	C 10 B	35/00			3/00	44	C 25 D	3/58
41	C 10 B		145	C 10 B	5/06	263	C 10 B	27/04	80-82	B 01 D	3/00	44.2	C 25 D	3/56
					5/12	264	B 01 B	1/02			3/10	44.3	C 25 D	3/62
			146	C 10 B	1/06	265	B 01 D	3/00			3/00	44.4	C 25 D	3/56
					5/12	266	C 10 B	7/04	83	B 01 D	3/38			3/60
			147	C 10 B	1/06	267.1,267.2	C 10 B	29/00	84	B 01 D	3/00	44.5-44.7	C 25 D	3/56
			148	C 10 B	5/20	268	C 10 B	29/04	85	B 01 D	3/38	45.1	C 25 D	3/02
					1/06	269,270	C 10 B	29/00	86	B 01 D	3/00	45.5	C 25 D	3/54
81,82	B 01 D	3/00	149	C 10 B	49/00			45/00	87	B 01 D	3/14	46.1	C 25 D	3/46
	C 10 B				1/06				88	B 01 D	3/06	47	C 25 D	3/50
83	B 01 D	3/00	150	C 10 B	17/00				89	B 01 D	3/00	47.5	C 25 D	3/48
	C 02 F	1/18	151	C 10 B	1/06				90	B 01 D	3/08	48	C 25 D	3/12
	C 10 B				21/10				91	B 01 D	3/00			3/20
84	C 10 B	1/00	152	B 01 D	3/00						3/10	49	C 25 D	3/12
85-87	C 10 B	1/00			1/02						3/10	50.1	C 25 D	3/36
		3/00	153-155	B 01 D	3/02						3/38	50.3	C 25 D	3/28
		5/00			3/14						3/38	51	C 25 D	3/04
		21/00	156	B 01 D	3/02				93,94	B 01 D	3/00	52.1	C 25 D	3/38
88-96	C 10 B	9/00	158,159	B 01 D	3/14						3/10	52.5	C 25 D	3/40
		51/00	160	B 01 D	3/42				95,96	B 01 D	3/34	53	C 25 D	3/34
97,98	C 10 B	7/14	161,162	B 01 D	3/14						3/38	54.1,54.5	C 25 D	3/30
99	C 10 B	21/20	163-167	B 01 D	3/00				97-100	B 01 D	3/00	55.1	C 25 D	3/22

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 204—Con.			157.47	C 01 B	31/00		C 25 C	7/02	69	B 65 D	85/08	387	B 65 D	85/672
			157.48	C 01 B	7/00		C 25 D	17/10			85/14	388	B 65 D	85/00
55.3	C 25 D	3/24	157.49	C 01 B	17/00	281	C 25 D	1/00	70	B 65 D	85/40		B 65 H	54/46
55.5	C 25 D	3/54	157.5	C 01 B	13/00	282	C 25 B	13/00	71	B 65 D	85/00			55/00
56.1, 57	C 25 D	11/00			15/00		C 25 C	7/04	77.1	A 47 K	5/08	389-417	B 65 D	85/66
58	C 25 D	11/08	157.51	C 01 D	1/00	283	C 25 B	11/03	81	A 44 B	7/00			85/67
58.4	C 25 D	11/30		C 01 F			C 25 C	7/02		B 65 D	73/00			85/671
58.5	C 25 D	5/00	157.52	C 01 B	3/00		C 25 D	17/12	83	A 61 C	19/10			85/672
59	C 25 C				4/00	284	C 25 B	11/00	83.5	B 65 D	71/00			85/675
	C 25 D				6/00	285	C 25 B	11/03	85-95	A 24 F	15/00			85/676
60	C 25 B	1/00	157.6	C 07 F	1/00		C 25 C	7/02			27/00			85/677
	C 25 C	3/00			3/00		C 25 D	17/12		B 65 D	85/10	418-422	B 65 D	85/42
61	C 25 B	1/00			5/00	286-290	C 25 B	11/00			85/12	423	B 65 D	85/50
62	C 25 B	3/00	157.61-157.63	C 07 B			C 25 C	7/02	96-138	A 24 F	27/00			85/52
63	C 25 B	1/00	157.64, 157.65	C 07 C			C 25 D	17/10	139	B 65 D	75/00	424	A 45 F	5/12
64	C 25 C	3/00	157.67	C 07 C	401/00	291-293	C 25 B	11/04	140	A 45 C	11/00	425	B 65 D	85/00
65, 66	C 25 C	3/34		C 07 G	13/00	294	C 25 B	11/12		B 65 D	75/00	426	B 65 D	85/44
67	C 25 C	3/06	157.68	C 07 G		295, 296	C 25 B	13/00	141-179	B 65 D	75/00	427-435	B 65 D	65/00
68, 69	C 25 C	3/02		C 08 K	3/00	297	C 25 C	7/04	180	B 65 D	75/00			75/00
70	C 25 C	3/04	157.69-157.72	C 07 D			C 25 D	17/04			85/40	436	B 65 D	5/00
71	C 25 C	3/36	157.73	C 07 F	9/02	298		17/06	181-189	B 65 D	75/00			85/00
72-77	C 25 B	3/00	157.74	C 07 F		299-301	C 23 C	14/00	190	B 65 D	75/00	438-441	A 61 B	17/06
78-80	C 25 B	3/02	157.75-157.86	C 07 C			B 01 D	61/42			85/40			19/02
81	C 25 B	3/06	157.87-157.89	C 07 C	51/00	302-308	C 25 D	13/00	191-203	B 65 D	75/00			15/00
82	C 25 B	1/28			67/00		B 01 D	17/06	204	B 65 D	81/26	442	B 65 D	85/00
83, 84	C 25 B	1/30	157.9	C 07 C	29/00	400-435		61/42		F 17 C	11/00	443	B 65 D	85/20
85	C 25 B	1/32			37/00		B 03 C	5/02	205-212	B 65 D	81/24	444	B 65 D	85/30
86-93	C 25 B	1/00	157.91	C 07 C	401/00		C 10 G	33/02	213, 213.1	B 65 D	81/28	445	B 65 D	85/00
94, 95	C 25 B	1/24	157.92	C 07 C	41/00		G 01 N	27/26	214	A 45 C	11/34	446	B 65 D	85/20
96, 97	C 25 B	1/00			45/00				215	B 65 D	85/00	447	B 65 D	57/00
98	C 25 B	1/14	157.93	C 07 C	45/00				216-218	B 65 D	77/00			85/00
		1/18	157.94-158.12	C 07 C	17/00				219-222	B 65 D	25/08	448-456	B 65 D	85/48
		1/34	158.14	C 07 C	1/00				223-241	B 65 D	69/00	457-496	B 65 D	73/00
		1/36			2/00						71/00	497	B 65 D	65/00
99	C 25 B	1/18			4/00				242-276	A 24 F	15/00	499-520	B 65 D	21/00
100	C 25 B	1/00			5/00					B 65 D	85/10			85/62
101, 102	C 25 B	1/00			6/00	0.5	F 17 C	13/00			85/12	521-524	B 65 D	81/02
103, 104	C 25 B	1/22				0.6	F 17 C	3/00	277	B 65 D	85/14			85/30
105	C 25 C	1/00	158.2	C 01 B				3/00	278	B 65 D	85/18			85/32
106-108	C 25 C	1/12	158.21	C 07 B	63/00	0.7	F 17 C	11/00	278.1	B 65 D	81/28			85/34
109-111	C 25 C	1/20	164, 165	H 05 F	3/00	0.8-0.84	A 45 C	1/00			85/18	524.1-524.7	B 65 D	85/84
112, 113	C 25 C	1/06	166	C 07 G	13/00	1.5	A 45 C	13/10			85/18	524.8	B 65 D	81/20
114-119	C 25 C	1/14	167	C 11 B				13/18	279-299	B 65 D	85/18	524.9-526	B 65 D	85/00
		1/16	168-171	C 07 C		1.7-1.9	B 05 C	17/00			85/00	527	B 65 D	79/00
120-122	C 25 C	1/14	172	C 10 G			B 44 D	3/00	301	B 65 D	85/40	528	B 65 D	1/09
123-127	C 25 C	1/24	173	C 01 B	31/00			3/04	302	B 65 D	85/02			83/04
128	C 25 B	1/00	174	C 25 B	1/30	3	F 42 B	39/00	303, 304	B 65 D	65/02			85/42
129	C 25 B	1/02	175	C 01 B	15/01	5-6.1	A 45 C	11/04	304.1	B 65 D	85/06	529-540	B 65 D	83/04
129.1-129.95	B 23 H	3/00	176	C 01 B	13/10	8.9	A 45 C	11/02			85/06			85/42
		5/00	177	C 01 B	21/00		B 65 D	85/18	304.2	B 65 D	85/38	541-549	A 45 C	11/20
		9/00	178, 179	C 01 B	21/30	11	B 65 D	85/18	305, 306	B 65 D	85/30	550	B 65 D	69/00
		11/00	180.1	B 01 D	57/02	14	A 45 C	11/00	307	B 65 D	85/57			71/00
	C 25 F	3/00			61/42	15	B 65 D	81/02			85/575	551	A 45 C	11/20
		5/00		C 25 B	7/00	15.2, 15.3	A 45 D	44/18			85/30	553-567	B 65 D	1/34
130, 131	C 25 F	5/00	180.2-180.8	C 25 D	13/00	18	B 65 D	85/40	308-313	B 65 D	85/57			6/04
132	C 25 F	5/00	180.9	C 25 D	1/12	19.37	A 45 C	11/00			85/57	568-582	B 65 D	69/00
	D 06 M		181.1-181.7	C 25 D	13/00	37.1-37.8	A 45 C	11/32	314	A 45 C	11/00			71/00
	D 21 C	5/00	181.8, 181.9	C 10 G	32/02	38	A 45 C	15/00	315.1	B 65 D	85/20	583-594	B 65 D	81/02
133	C 25 F	5/00		C 25 B	7/00	38.1	A 45 C	11/32	315.11	B 65 D	85/00			85/30
	D 21 C	9/00	182.1-182.3	C 25 B	1/00	39-39.8	A 45 C	11/18	315.2, 315.3	A 63 B	55/00	595-600	B 65 D	19/00
134	C 25 F	5/00			7/00	44	B 65 D	5/50	315.4	A 63 B	55/02	601-634	B 43 M	7/00
135	C 14 C	5/00	182.4	B 01 D	61/44			5/52			55/00			3/26
	C 25 F	5/00		C 25 B	1/00	44.11	B 65 D	23/12	315.5	A 63 B	55/00			5/54
	D 06 M				7/00	44.12	B 65 D	75/58	315.6	A 63 B	55/04			5/70
136	C 10 G	15/00	182.5-183.3	C 25 B	1/00	45	B 65 D	5/50			55/06			27/32
138	C 13 D	3/18			7/00	45.11	B 65 D	55/00	315.7, 315.8	A 63 B	55/00			33/36
140	C 25 F		186	B 01 D	17/06			1/22	315.9	B 65 D	85/00			65/26
141.5-145	C 25 F	1/00		B 03 C	5/00		B 65 D	79/00	315.91	A 63 B	37/00			75/58
146	C 25 F	5/00		C 02 F	1/48			81/36		B 65 D	85/00			77/30
147, 148	C 23 F	13/00	188-191	B 01 D	17/06	45.12	B 65 D	79/00	316.1-316.3	B 65 D	85/38			
149-152	C 02 F	1/46		B 03 C	5/00			81/36	317	B 65 D	85/00			
153	C 25 F			C 10 G	35/16	45.13	B 65 D	79/00	318	B 65 D	85/58			
155, 156	C 25 B	5/00	192.1-192.38	C 23 C	14/00	45.14-45.19	B 65 D	5/50	319	B 65 D	85/68			
157.15	C 07 C	1/00			14/32	45.2-45.27	B 65 D	5/52	320	B 65 D	85/00			
		2/00	193, 194	C 25 D				25/24	321-325	B 65 D	85/46			
		4/00	196, 197	C 23 F	13/00	45.28-45.3	B 65 D	51/00	326, 327	B 65 D	85/00			
		5/00	198-227	C 25 D	17/00	45.31, 45.32	B 65 D	25/00	328-334	B 65 D	73/02			
		6/00	228-241	C 25 B	15/00	45.33	B 65 D	65/16			85/42			
157.2-157.22	B 01 D	5/00		C 25 D	21/00	45.34	B 65 D	25/00	335	B 65 D	85/68	1	C 09 D	4/00
157.3	B 01 D	53/00	242	C 25 B	9/00	49-55	B 65 D	85/04	336, 337	A 44 B	9/12			101/00
157.4-157.44	C 01 B			C 25 C	7/00			85/66	338-347	B 65 D	85/24			201/00
157.45	C 01 B	25/00		C 25 D	17/00		B 65 H	55/00	348	A 44 B	7/00		C 09 F	9/00
		33/00	243-247	C 25 C	3/00	63.3		75/02	349-354	A 45 C	11/26	2	C 07 C	37/00
		35/00	248-279	C 25 B	9/00	63.5	A 61 B	17/06	355-370	B 65 D	83/10	3	C 07 C	27/10
157.46	C 01 B	21/00		C 25 C	7/00	68	A 61 B	19/02	371-383	B 65 D	85/28	4-6	C 10 G	3/00
	C 01 C	1/00		C 25 D	17/00		B 65 D	81/02	384, 385	B 65 D	85/72			27/00
		3/00	280	C 25 B	11/00			85/30	386	B 65 D	19/00	7	C 10 G	9/00

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MINERAL OILS: PROCESSES AND PRODUCTS

1	C 09 D	4/00
		101/00
		201/00
	C 09 F	9/00
2	C 07 C	37/00
3	C 07 C	27/10
4-6	C 10 G	3/00
		27/00
7	C 10 G	9/00

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 208—Con.														
		11/00	72-77	C 10 G	69/12	189	C 10 G	27/00	318-320	C 10 G	21/00	14	B 07 B	9/00
					51/02	190	C 10 G	27/02	321	C 10 G	21/28		C 22 B	11/10
					51/04	191-194	C 10 G	27/04	322	C 10 G	21/12	15,16	B 03 B	7/00
					65/10	195	C 10 G	27/08	323,324	C 10 G	21/02		C 22 B	11/10
12	C 10 G				51/06	196	C 10 G	27/04	325	C 10 G	21/12	17-20	B 03 B	7/00
13	C 10 G	17/00	78-80	C 10 G	53/16	197	C 10 G	29/06	326	C 10 G	21/20		B 07 B	9/00
14	C 10 L	1/00			55/08	198	C 10 G	29/10	327-329	C 10 G	21/16	21-37	B 07 B	9/00
	C 10 L	1/04			57/00	199-202	C 10 G	19/06	330,331	C 10 G	21/20	38-40	B 03 C	1/30
15-17	C 10 G	71/00			59/06	203-206	C 10 G	19/00	332-335	C 10 G	21/16	41	C 22 B	11/10
18	C 10 G	71/00			61/08	207	C 10 G	29/00	336	C 10 G	21/18	42,43	B 07 B	9/00
19	C 10 M	159/00			63/06	208	C 10 G	17/00	337	C 10 G	21/14		C 22 B	11/10
		165/00			65/14			45/00	338	C 10 G	21/10	44	B 03 B	7/00
		167/00			67/16	209-212	C 10 G	45/00	339	C 10 G	21/00		B 07 B	9/00
		169/00			69/14	213	C 10 G	25/00	340-343	C 10 G	5/00	44.1,44.2	B 07 C	5/00
		171/00	81-84	C 10 G				45/04	344-346	C 10 G	5/04	44.3	B 07 C	3/04
20,21	C 10 G	73/36	85	C 10 G	1/00			45/60	347-350	B 01 D	3/00	45-47	B 07 B	13/00
22,23	C 10 C		86	C 10 C	3/00	214	C 10 G	45/04		C 10 G	7/00	48	B 07 B	13/00
24	C 10 G	73/00			1/00			45/24	351	C 10 G	7/02		C 22 B	11/10
25-27	C 10 G	25/00	87	C 10 G	1/04			45/60	352	B 01 D	3/06	49	B 07 B	13/00
		29/20			21/00	215-217	C 10 G	45/04		C 10 G	7/00	50-70	C 22 B	11/10
		73/02	88	C 10 G	17/00			45/60	353-355	B 01 D	3/00	127.1-131	B 03 C	7/00
		73/38			55/00	218	C 10 G	31/00		C 10 G	7/00	132	B 03 B	
28-30	C 10 G	73/02			57/00	219-223	C 10 G	17/02	356	B 01 D	3/34		B 07 B	
31	C 10 G	73/06	89	C 10 G	45/00			45/00		C 10 G	7/00	133-142	B 07 B	4/00
32	C 10 G	73/32	90	C 10 G	17/06	224	C 10 G	17/06	357	B 01 D	3/10			7/00
33-36	C 10 G	73/06	91	C 10 G	25/00	225	C 10 G	17/02		C 10 G	7/00	143	B 07 B	7/04
37,38	C 10 G	73/32	92-94	C 10 G	7/00	226-234	C 10 G	19/00	358	B 01 D	3/00	144	B 04 C	
39,40	C 10 C	1/00	95	C 10 G	57/00			45/00		C 10 G	7/00	145	B 07 B	7/02
		3/00	96	C 10 G	21/00	235	C 10 G	19/08	359	B 01 D	3/08	146-154	B 07 B	4/00
41	C 10 C	1/04			55/00			29/20		C 10 G	7/00			7/00
		3/06			67/04	236-238	C 10 G	29/20	360	B 01 D	3/28	155	B 03 B	5/28
42,43	C 10 C	1/04	97	C 10 G	67/00	239	C 10 G	29/00		C 10 G	7/00			5/62
44	C 10 C	1/20	98	C 10 G	67/08	240	C 10 G	29/22	361	B 01 D	3/06		B 03 D	
		3/02	99	C 10 G	67/06	241	C 10 G	27/02		C 10 G	7/00	156-161	B 03 B	5/66
45	C 10 C	1/18	100-105	C 10 G	9/00			29/12	362	B 01 D	3/34		B 03 D	
		3/08			11/00	242	C 10 G	17/08		C 10 G	7/00	162,163	B 03 B	5/60
46,47	C 10 G				15/00			21/10	363	B 01 D	3/38			5/64
48	C 10 G	9/12			47/00	243-250	C 10 G	29/00		C 10 G	7/00		B 03 D	1/00
		9/16			49/22	251	C 10 G	17/00	364,365	B 01 D	3/00	164-170	B 03 D	1/14
49	C 10 B	57/02	106	C 10 G	9/00			45/00		C 10 G	7/00	171	B 03 B	5/00
	C 10 G	51/02			15/00	252	C 10 G	17/00	366	B 01 D	3/10		B 03 D	1/00
		55/02	107	C 10 G	47/00	253	C 10 G	29/04		C 10 G	7/00	172	B 03 B	5/28
		57/00	108	C 10 G	47/02	254,255	C 10 G	17/00	367-369	B 01 D	3/00			5/30
		65/02			47/24			45/00		C 10 G	7/00			5/32
		67/02	109	C 10 G	47/12	256	C 10 G	17/00	370	C 10 G	1/04			5/34
		69/02			47/16	257-259	C 10 G	29/00	390,391	C 10 G	1/00			5/36
50	C 10 B	55/00	110	C 10 G	47/04	260,261	C 10 G	25/02	400-402	C 10 G	1/06			5/38
	C 10 G	57/00			47/20			29/00	403	C 10 G	1/08			5/40
51	C 10 B	55/00	111	C 10 G	47/02	262 1-263	C 10 G	17/00		C 10 G	1/00			5/42
	C 10 G	57/00			47/12			45/00	404-407	C 10 G	1/08		B 03 D	1/00
		69/06			47/16	264	C 10 G	45/00	408	C 10 G	1/08	172.5	B 03 B	5/30
52-55	C 10 B	55/00	112	C 10 G	47/02	265	C 10 G	17/00	409-411	C 10 G	1/06			5/32
	C 10 G	51/02			47/04	266-276	C 10 G	17/06	412-414	C 10 G	1/08			5/34
		65/10	113	C 10 G	11/00	277	C 10 G	17/06		C 10 G	1/00			5/36
56,57	C 10 G	45/00	114	C 10 G	11/02			21/12	415	C 10 G	1/06			5/38
58	C 10 G	47/00	115-117	C 10 G	11/08	278	C 10 G	25/00	416	C 10 G	1/08			5/40
		65/00	118-124	C 10 G	11/02	279-282	C 10 G	17/00		C 10 G	1/00			5/42
		69/00			11/04	283-286	C 10 G	19/00	417	C 10 G	1/06			5/44
59	C 10 G	65/00	125	C 10 G	9/26	287	C 10 G	19/00	418-423	C 10 G	1/08		B 03 D	1/00
60	C 10 G	69/02			9/42			25/00		C 10 G	1/00	173-207	B 03 B	5/60
61	C 10 G	65/12	126	C 10 G	9/26	288	C 10 G	19/00	424-435	C 10 G	1/00			5/64
		69/04			9/32	289	C 10 G	29/00						1/00
		69/06	127	C 10 G	9/28	290	C 10 G	21/12				208-211	B 03 D	
62	C 10 G	57/00	128	C 10 G	9/36			29/20				212-232	B 03 C	1/00
		61/02	129	C 10 G	9/38	291	C 10 G	21/16				233	B 07 B	1/00
		63/02	130	C 10 G	9/36			29/22				234	B 07 B	9/00
63,64	C 10 G	69/02	131,132	C 10 G	9/14	292	C 10 G	29/02				235-237	B 07 B	1/00
		35/04	133	C 10 G	35/00	293	C 10 G	21/10				238	B 07 B	1/46
		57/00	134	C 10 G	35/04			29/10	1	B 03 B		239	B 07 B	13/00
		59/02	135-139	C 10 G	35/06			29/28		B 07 B	9/00	240-242	B 07 B	1/00
		69/02	140	B 01 J	23/90	294-297	C 10 G	29/04	2	B 03 B		243-259	B 07 B	1/28
65	C 10 G	35/06				298	C 10 G	29/00		B 07 B		260	B 07 B	
66	C 10 G	35/04	141	C 10 G	35/00	299-303	C 10 G	25/00	3	B 03 B	1/00	261-268	B 07 B	1/28
		57/00	142-145	C 10 G	45/00	304	C 10 G	25/06		B 03 D	3/00	269	B 07 B	1/22
		63/02	146-176	C 10 G	35/00	305	C 10 G	25/12	3.1-3.3	B 07 C	5/02	270	B 07 B	1/08
		69/08			35/10	306,307	C 10 G	25/00	4	B 03 B	1/00	271	B 07 B	1/10
67	C 10 G	51/02	177,178	C 10 G	17/00	308	C 10 G			B 03 D	3/00	272	B 07 B	1/04
		51/04			19/00	309	C 10 C	3/00	5	B 03 B	1/00	273	B 07 B	1/06
		55/04			21/00	310	C 10 G	25/00		B 03 D	3/06	274	B 07 B	1/06
		55/06			25/00	311,312	C 10 G	17/04	7	B 03 B	1/00	275-278	B 07 B	1/28
		57/00			27/00			21/00	8	B 03 C	1/00			1/06
68	C 10 G	69/04			29/00	313	B 01 D	3/00	9	B 03 B	1/00	279,280	B 07 B	1/08
		69/06			31/00		C 10 G	7/00	10,11	B 03 B				1/06
69,70	C 10 G	55/06	179-186	C 10 M	175/00			21/28		B 07 B		281-283	B 07 B	1/13
		57/00	187	C 10 G	33/00	314-316	C 10 G	21/02	12,13	B 03 B	7/00	284-286	B 07 B	1/26
71	C 10 G	57/02	188	C 10 G	33/04	317	C 10 G	21/04		B 07 B	9/00	287	B 07 B	
U.S. Class 209														
CLASSIFYING, SEPARATING AND ASSORTING SOLIDS														

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 209—Con.														
288-292	B 07 B	1/22	468-477	B 07 B	5/45	646	B 07 C	5/24	169	E 04 H	3/16	267	B 01 D	15/00
293-298	B 07 B	1/24	478	B 07 C	4/00	647	B 07 C	5/26			4/12			24/00
299	B 07 B	1/22	479-483	B 07 B	13/00	648	B 07 C	5/24	170	E 02 B				24/32
300	B 07 B	1/20	484-486	B 03 B	5/06	649	B 07 C	5/22	171,172	E 03 B	11/00			27/02
301	B 07 B	1/26		B 07 B	11/08	650	B 07 C	5/18	173,174	B 01 D	35/00			33/46
302	B 07 B	1/18	487	B 07 B	11/08	651-658	B 07 C	9/00		E 03 D	9/10	268	B 01 D	15/02
303	B 07 B	1/22	488	B 03 B	11/00	659-687	B 07 B	13/05	175	B 01 D	35/18			24/00
304	B 07 B	1/24	489	B 07 B	11/04			13/07		C 02 F	1/02	269-274	B 01 D	24/00
305,306	B 07 B	1/20	490	B 03 B	11/00			13/07	176	B 01 D	17/09			24/46
307,308	B 07 B	1/10		B 07 B	11/00	688-700	B 07 C	5/12	177-183	B 01 D	35/18			29/62
309-311	B 07 B	1/28	491	B 07 B	11/04	701	B 07 C	5/02		C 02 F	1/02			33/44
312	B 07 B	1/28	492-499	B 03 B	11/00	702-705	B 07 C	7/04	184-187	B 01 D	24/00			41/02
		7/06		B 07 B	11/00	706,707	B 07 C	5/00			35/18	275	B 01 D	24/00
313-320	B 07 B	1/28	500	B 03 B	5/22				188	B 01 D	19/00			24/46
321	B 07 B	1/28	501	B 07 B	5/22				189	C 02 F	1/20			33/44
		7/06	502	B 03 B	5/20	U.S. Class 210				B 01 D	24/00			33/50
322-324	B 07 B	1/28		B 07 B		LIQUID PURIFICATION OR SEPARATION			190,191	B 01 D	24/28	276-281	B 01 D	41/02
325-330	B 07 B	1/34	503-508	B 03 B	5/24	85	B 01 D	35/00			24/46			24/00
331	B 07 B	1/36		B 07 B	5/00			35/14			29/62			24/46
332	B 07 B	1/38	509	B 07 C	5/00			35/143	192	C 02 F	5/00			29/62
333-340	B 07 B	1/30			9/00			35/153		B 01 D		282	B 01 D	41/02
341-345	B 07 B	1/34	510,511	A 01 K	43/04	86-89	B 01 D	35/00		C 07 F				24/00
346-349	B 07 B	1/38	512-516	A 01 K	43/08			35/14	193	B 01 D	37/02	283-286	B 01 D	27/02
350,351	B 07 B	1/04	517-521	B 07 C	5/14	90	B 01 D	35/00	194-197	B 01 D	9/00	287-289	B 01 D	24/00
352-356	B 07 B	1/22	522-524	B 07 C	5/00			35/14		C 02 F	9/00			24/38
357	B 07 B	1/28	525	B 07 C	5/10			35/147	198.1	B 01 D	15/00			27/02
		1/08	526-530	B 07 C	5/00	91-95	B 01 D	35/00		B 01 J	20/00			29/88
358	B 07 B	1/04	531,532	B 07 C	5/12			35/14	198.2,198.3	B 01 D	15/08			35/02
359	B 07 B	1/28	533	B 07 C	5/07	96.1	B 01 D	61/00	199-202	B 01 D	15/00			35/28
360	B 07 B	1/08			5/12	96.2	B 01 D	21/24		B 01 J	20/00	290	B 01 D	24/00
361	B 07 B	1/00	534,535	B 07 C	5/00	97-105	B 01 D	24/38		B 01 D	35/00	291-293	B 01 D	24/12
362,363	B 07 B	1/42	536	B 07 C	5/10			25/30	203	B 01 D	25/12			24/22
364-366	B 07 B	1/44			5/12			29/88	204	B 01 D	35/00			35/28
366.5,367	B 07 B	1/42			5/00			33/70	205,206	B 01 D	24/00	294	B 01 D	27/14
368,369	B 07 B	1/50	537	B 07 C	5/02			33/82	207,208	B 01 D	29/00			29/50
370-378	B 07 B	1/54	538-545	B 07 C	5/00	106-108	B 01 D	24/46			33/00	295,296	B 01 D	9/00
379-381	B 07 B	1/52	546-552	B 07 C	5/00			29/62			35/00			25/00
382	B 07 B	1/49	553,554	G 06 F	7/10			33/44	209	B 01 D	27/00			27/00
383-390	B 07 B	4/00	555	B 07 C	5/00			35/00	210-217	B 01 D	33/00			29/00
391-421	B 07 B	5/00	556	B 07 C	5/00			41/00			33/06			35/00
422	B 03 B	5/02			5/08	109-116	B 01 D	21/24	218-221.2	B 01 D	35/06			36/00
423,424		5/10	557-566	B 07 C	5/344			24/38	222,223	B 01 D	1/02	297	B 01 D	33/00
		4/00	567,568	B 07 C	5/344			29/88		B 03 C	1/30			35/00
425-427	B 03 B	5/12	569	B 07 C	9/00	117	B 01 D	21/24		C 02 F	1/48	298	B 01 D	25/32
		5/14		G 06 K	5/344			24/38	224	B 01 D	25/00			33/58
		5/16	570-575	B 07 C	5/00			29/88	225	B 01 D	25/32			35/16
		5/18	576-579	B 07 C	5/342			33/70			33/00	299-306	B 01 D	21/00
		5/20	580-582	B 07 C	5/00			35/157	226	B 01 D	24/00			24/48
		5/22	583,584	G 06 K	9/00	118,119	B 01 D	21/24	227-229	B 01 D	25/00			29/60
428-433	B 03 B	5/08	585	B 07 C	5/04			24/38			25/12			33/70
434-436	B 03 B	5/04	586	B 07 C	5/10			29/88			25/164	307	B 01 D	21/00
		5/26			5/12	120	B 01 D	33/70			25/00			24/38
		5/52			5/00	121	B 01 D	33/00	230	B 01 D	29/62			24/48
		5/68	587,588	B 07 C	5/346	122	B 01 D	24/46	231	B 01 D	25/12			29/60
		5/70	589	B 07 C	5/00	123-125	B 01 D	35/00			25/172			33/70
		5/72			5/00	126	B 01 D	29/62	232-243	B 01 D	25/21			43/00
437-444	B 03 B	5/74	590,591	B 07 C	5/16			33/44				308-313	B 01 D	21/00
		5/48	592	B 07 C	5/28			35/22	244-246	B 01 D	24/00			24/48
445	B 03 B	5/50	593-595	B 07 C	5/16			41/00			29/00			29/60
		5/52	596	B 07 C	5/34			35/00			35/00			33/70
		5/54	597-599	B 07 C	5/00	127-129	B 01 D	27/10	247-251	B 01 D		314-318	B 01 D	24/00
		5/56	600	B 07 C	5/12	130-133	B 01 D	35/14		C 02 F				25/00
		5/58	601	B 07 C	5/07			41/00		B 01 D	9/00			27/00
		5/68	602	B 07 C	5/12			21/30	252-257.1	C 02 F	9/00			29/00
		5/70	603	B 07 C	5/36	134-149	B 01 D	33/70		B 01 D	63/00			35/00
446-464	B 03 B	5/52	604,605	B 07 C	5/36	150,151	B 01 D	33/80	257.2	C 02 F	9/00	319,320	B 01 D	63/00
		5/54	606,607	B 07 C	7/10			35/00		C 02 F	9/00	321.6-321.9	B 01 D	1/44
		5/56	608-613	G 06 F	7/04	153	B 01 D	15/02	258-262	B 01 D	15/00			24/00
		5/58	614	B 07 C	5/36			24/00	263,264		15/02	322	B 01 D	25/00
		5/68	615-618	B 07 C	5/06			24/32			27/02			27/14
		5/70	619-628	B 07 C	5/38	154-162	B 01 D	33/00			29/62			29/00
465	B 03 B	5/48	629	B 07 C	5/00			5/08			33/17			29/50
		5/50	630	B 07 C	5/34	163-166	E 02 B	5/06			33/46			33/00
		5/52			5/00			9/00	265	B 01 D	24/00			36/00
		5/54	631	B 07 C	5/38						29/00	323.1,323.2	B 01 D	24/00
		5/56	632-634	B 07 C	5/04	167	B 01 D				33/06			25/00
		5/58	635	B 07 C	5/16	168	C 02 F				24/00			27/00
		5/68	636	B 07 C										
466,467	B 03 B	4/00	637-644	B 07 C										
			645	B 07 C										

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 210—Con.			403,404	B 01 D	33/06			29/07			12/00	723-738	B 01 D	21/01
		29/00			33/09	494.2,494.3	B 01 D	27/00			17/00		B 03 D	3/00
		33/00			33/13			29/07	512.1-512.3	B 01 D	21/26		C 02 F	1/52
324,325	B 01 D	33/00	405	B 01 D	21/24			29/085			33/15	739-746	C 02 F	1/00
326	B 01 D	33/06			25/30	495	B 01 D	29/00			33/27	747	B 01 D	
327	B 01 D	33/00			29/88			29/07	513-540	B 01 D	12/00		C 02 F	7/00
		35/12			33/04	496	B 01 D	35/00			17/00	748	B 01 D	17/06
		35/16			33/70			27/02			43/00			35/06
		17/00	406	B 01 D	35/00			27/04	541,542	B 01 D	21/28		B 03 C	
328	B 01 D	33/00	407-415	B 01 D	21/02	497.01	B 01 D	29/07	600	B 01 D		749-752	B 01 D	1/48
		35/12			21/18			29/11	601	C 02 F	3/00		C 02 F	1/68
		35/16			25/32			29/48	602	C 02 F	3/32	753-756	C 02 F	1/76
329-331	B 01 D	33/00			33/58	497.1	B 01 D	29/50	603,604	C 02 F	3/00	757	C 02 F	1/70
		35/12	416.1-416.5	B 01 D	35/00			29/07	605	C 02 F	3/30	758,759	C 02 F	1/72
		35/16			24/00			29/11	606-619	C 02 F	3/00	760	C 02 F	1/78
332-348	B 01 D	24/00			25/00			29/48	620-629	C 02 F	3/02	761-766	C 02 F	1/68
		25/00			27/00			29/50	630	C 02 F	3/30	767	B 01 D	37/00
		27/00			33/00	497.2,497.3	B 01 D	29/085	631	C 02 F	9/00			61/00
		29/00	417-428	B 01 D	21/24			29/11	632	C 02 F	1/00		C 02 F	1/00
		33/00			24/38			29/48	633	B 01 D	3/00	768-771	B 01 D	37/00
		35/16			25/30			29/50			11/00		C 02 F	1/00
		35/22			29/88	498,499	B 01 D	29/07	634	C 02 F	1/26	772	B 01 D	24/46
349	B 01 D	19/00			33/70			39/10		B 01 D	11/00			29/62
		35/00			35/00	500.1	B 01 D	24/00			11/04			33/44
350-352	B 01 D	24/00	429-432	B 01 D	35/02			39/00		C 02 F	1/26		C 02 F	1/00
		25/00	433.1,434	B 01 D	21/24	500.21	B 01 D	39/14	635	B 01 D	1/44	773	B 01 D	11/02
		27/00			24/38			39/00		C 02 F	1/28	774	C 02 F	1/00
		29/00			25/30			39/14	636,637	B 01 D	1/44		B 01 D	35/18
		33/00			29/88			63/00		C 02 F	1/44	775	C 02 F	1/00
		35/00			33/70			65/00	638	B 01 D	15/04		B 01 D	17/00
353	B 01 D	35/24			35/00	500.22	B 01 D	71/00		C 02 F	1/42	776	C 02 F	1/00
354-356	B 01 D	33/00	435-454	B 01 D	27/00			39/14	639,640	B 01 D	15/00		E 02 B	15/00
		35/00			35/00	500.23	B 01 D	33/21		C 02 F	1/44	777,778	B 01 D	37/02
		35/00			35/28			39/14	641	B 01 D	61/00		C 02 F	1/00
357	B 01 D	33/00	455	B 01 D	24/00			63/02		C 02 F	1/44	779	B 01 D	37/00
358	B 01 D	24/00			25/00			63/06	642	B 01 D	11/04		C 02 F	1/00
		25/00			27/00			67/00		C 02 F	1/26	780	B 01 D	24/28
		27/00			33/00			69/00	643	B 01 D	17/00			33/00
		29/00			35/00			69/04	644	B 01 D	11/00			33/03
		33/00			35/00			69/08			61/00		C 02 F	1/00
359	B 01 D	24/28	456	B 01 D	21/24	500.24,500.25	B 01 D	39/00		C 02 F	1/44	781,782	B 01 D	33/15
		33/00			25/30			39/14	645-648	B 01 D	11/00		B 04 B	3/00
		35/00			29/00	500.26	B 01 D	39/00			61/00		C 02 F	1/38
		35/22			29/88			39/14		C 02 F	1/44	783	B 01 D	33/04
360.1	C 02 F	1/38			33/70			71/04	649-651	B 01 D	61/00		C 02 F	1/00
	B 01 D	24/32			35/00	500.27	B 01 D	39/00		C 02 F	1/44	784	B 01 D	33/06
		33/00	457-463	B 01 D	35/28			39/14	652	B 01 D	61/00		C 02 F	1/00
		35/00			24/00			71/06		C 02 F	1/44	785	B 01 D	33/17
360.2-382	C 02 F	1/38			25/00	500.28	B 01 D	39/00	653-655	B 01 D	61/00		C 02 F	1/00
	B 01 D	33/00			27/00			39/14		C 02 F	1/44	786	B 01 D	24/32
		35/00			33/00	500.29	B 01 D	39/00	656-659	B 01 D	15/08			24/36
		35/22			24/38			71/10		C 02 F	1/28		C 02 F	33/46
383	C 02 F	1/38	464-469	B 01 D	29/88			39/00	660-669	B 01 D	15/00		C 02 F	1/00
	B 01 D	33/00			35/02	500.3	B 01 D	39/14		B 01 J	39/00	787-789	B 01 D	21/26
		35/00			35/00			71/16		C 02 F	1/42		B 04 B	
384	B 01 D	33/00	470-472	B 01 D	35/00			39/00	670-677	B 01 J	49/00		B 04 C	
		33/03	473-481	B 01 D	24/00	500.31-500.35	B 01 D	39/14		C 02 F	1/42		C 02 F	1/38
385	B 01 D	33/00			29/00			39/14		B 01 D	15/00	790	B 01 D	37/00
		33/29			35/00	500.36	B 01 D	39/00	678,679	C 02 F	1/42		C 02 F	1/00
		33/35	482	B 01 D	24/00			39/14		C 02 F	1/42	791	B 01 D	24/46
386,387	B 01 D	33/00			33/17			71/26	680	C 02 F	1/42			29/62
388	B 01 D	24/30			33/19	500.37-500.41	B 01 D	39/00	681	C 02 F	1/42			33/44
		33/00			35/20			39/14		G 21 F	9/04			35/22
		35/20			24/02	500.42	B 01 D	39/00	682-688	C 02 F	1/42			41/00
389	B 01 D	33/00	483	B 01 D	27/00			39/14	689-694	B 01 D	15/04		C 02 F	1/00
		35/20			29/00			71/28		C 02 F	1/28			
390	B 01 D	35/02			29/31	500.43	B 01 D	39/00	695	B 01 D	35/06	792-798	B 01 D	24/46
391	B 01 D	33/00			39/00			39/14		B 03 C	1/30			29/62
		33/58			27/08	501	B 01 D	39/00		C 02 F	1/48			33/44
		35/16	484,485	B 01 D	29/11	502.1	B 01 D	24/00	696	B 03 D	3/06		C 02 F	1/00
392,393	B 01 D	35/16			29/50	503-505	B 01 D	39/02		C 02 F	1/00	799	B 01 D	17/02
		35/22			35/00			39/04	697-701	C 02 F	1/00		C 02 F	1/00
394	B 01 D	33/06			35/30			39/06	702	B 01 D	21/00	800-803	B 01 D	21/00
395-397	B 01 D	33/00			39/00			39/08		C 02 F	1/52			24/00
		33/58	486,487	B 01 D	29/00	506-509	B 01 D	39/12	703-707	B 01 D	1/00		C 02 F	1/00
		35/16	488-492	B 01 D	29/46			39/14		B 03 D	1/00			29/00
398,399	B 01 D	33/00			27/06			39/12		C 02 F	1/24	804	B 01 D	21/26
		35/00	493.1	B 01 D	29/07			24/00	708	B 01 D	17/04		C 02 F	1/00
400,401	B 01 D	33/04			27/06	510.1	B 01 D	39/00			21/00	805	B 01 D	17/12
402	B 01 D	33/06	493.2-493.5	B 01 D	29/07			41/00		C 02 F	1/00		C 02 F	1/00
		33/067			29/085				709-722	B 01 D	21/00	806	B 01 D	37/00
		33/09			27/00	511	B 01 D	11/00		C 02 F	1/52		C 02 F	1/00
		33/13	494.1	B 01 D										

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 210—Con.			162	A 47 F	5/00	215	B 66 C	11/16	U.S. Class 215			292	B 65 D	39/02
807	B 01 D	24/00	163-167	A 47 F	5/02	216,217	B 66 C	11/02	BOTTLES AND JARS			293	B 65 D	45/16
	C 02 F	1/00	168-174	A 47 F	5/12	218,219	B 66 C	5/02				294	B 65 D	39/00
808	B 01 D	43/00	175,180	A 47 F	5/00			19/00						45/16
	C 02 F	1/00	181,182	A 47 F	5/14	220	B 66 C	11/12	1	B 65 D	23/00	295	B 65 B	43/38
			183,184	A 47 F	5/00	221	B 66 C	17/06	2	B 65 D	1/06			43/40
			186-209	A 47 B	43/00	222	B 66 C	23/92	3-5	B 65 D	1/20		B 65 D	39/00
					47/00	223	B 66 C	23/02			23/00			41/00
					57/00	224	B 66 C	1/10			47/34			43/00
U.S. Class 211						225-228	B 66 C	7/00		B 67 C	9/00	296-300	B 65 D	39/00
SUPPORTS, RACKS						229	B 66 C	23/62	6	B 65 D	1/04	301	B 65 D	39/00
1	A 47 F		U.S. Class 212			230,231	B 66 C	23/04	10	B 65 D	21/00			41/00
1.3	A 47 B	53/00	TRAVERSING HOISTS			232,233	B 66 C	23/06	11.1	A 61 J	9/00			43/00
1.5	A 47 F	3/08	71	B 66 C	19/00	234	B 66 C	23/00			11/00	302-304	B 65 D	51/24
2	A 47 F		72	B 63 B	27/18	235	B 66 C	23/00	11.2	A 61 J	9/02	305	B 65 D	41/00
4-9	E 05 B	73/00				236	B 66 C	23/60	11.3,11.4	A 61 J	9/00	306	B 65 D	55/16
10-12	B 42 F	17/00	73-75	B 66 C	19/00	237	B 66 C	23/82	11.5	A 61 J	9/04	307-315	B 65 D	51/16
13-15	A 47 F	7/00	76-123	B 66 C	21/00	238	B 66 C	23/00			11/02	316	B 65 D	41/00
16	A 47 K	10/00	124-142	B 66 C	19/00	239-241	B 66 C	23/82	11.6	A 61 J	9/08	317-321	B 65 D	41/18
17-22	A 47 F	7/00	142.1	B 66 C	11/00	242	B 66 C	1/00	12.1	A 47 J	41/02			41/22
23,24	A 47 F	7/00	146-148	B 66 C	13/06	243	B 66 C	1/42	12.2	B 65 D	23/00			41/28
26,27	A 47 F	7/00	149	B 66 C	13/18			3/00			23/02			41/46
28	A 47 G	29/00	150	B 66 C	13/18	244	B 66 C	23/26	13.1	A 47 J	41/00			41/48
29	A 47 F	7/00	151	B 66 C	13/30	245-248	B 66 C	23/84	14-16	B 65 D	47/02			41/52
30-33	A 47 F	7/06				249	B 66 C	23/18			49/00	322	B 65 D	43/12
	A 47 G	25/10				250	B 66 C	23/00			49/02			43/20
34-38	A 47 F	7/08				251	B 66 C	1/00	17-30	B 65 D	1/02	323	B 65 D	41/00
39	A 47 F	13/00				252	B 66 C	23/00	31-36	B 65 D	19/22			45/30
40	A 47 G	29/00	152	B 66 C	13/18	253	B 66 C	23/84	99.5	A 47 G	1/00	324,325	B 65 D	41/10
41	A 47 G	19/08	153-155	B 66 C	13/16	254	B 66 C	23/26			23/12			41/12
42,43	A 47 B	65/00				255	B 66 C	23/06	100	B 65 D	23/06			41/40
44	A 47 F	7/18				256	B 66 C	23/10	100.5	B 65 D	23/12			41/42
45-48	A 47 F	7/16				257	B 66 C	7/00	101	B 65 D	7/28	326	B 65 D	41/14
49.1	A 47 F	7/00	156	B 66 C	13/18	258	B 66 C	23/26	200	B 65 B	35/44			41/44
50-59.1	B 42 F		157,158	B 66 C	13/16	259	B 66 C	1/00			51/00	327,328	B 65 D	41/10
59.2-60.1	A 47 F	1/04	159	B 66 C	13/12			3/00	201	A 61 J	1/00			41/12
			160	B 66 C	13/40	260	B 66 C	23/82			1/03			41/40
			161	B 66 C	13/48	261	B 66 C	23/00		B 65 D	50/00			41/42
61	A 47 F	7/00				262,263	B 66 C	23/82			55/02	329-331	B 65 D	41/04
62	A 47 G	25/12				264	B 66 C	23/04	202-206	A 61 J	1/00			41/34
	B 60 R	7/12	162-164	B 66 C	13/12	265	B 66 C	23/26			1/03	332	B 65 D	41/06
63	A 47 G	25/12	165	B 66 C	13/54	266	B 66 C	23/64		B 65 D	55/02			41/36
64	A 47 F	7/00	166	B 66 C	11/12			23/683		B 65 D	55/14	333,334	B 65 D	41/04
	B 60 R	7/14						23/687	207	B 65 D	50/02			41/34
65,66	A 47 B	81/02	167,168	B 66 C	23/00			23/70	208	B 65 D	55/02	335	B 65 D	41/08
67-69	A 47 F	7/00	169	B 66 C	23/26	267-269	B 66 C	23/04			50/08			41/38
69.1	A 47 F	7/00	170	B 66 C	13/00	270,271	B 66 C		209	B 65 D	55/02	336-340	B 65 D	41/04
	B 43 M	17/00	171	B 66 C	9/14						55/02			41/34
69.2	A 47 F	7/00							210-225	B 65 D	55/02			41/04
	B 43 L	27/02	172	B 66 C	23/40	U.S. Class 213			226-257	B 65 D	41/00	341-352	B 65 D	53/00
69.3-69.9	A 47 F	7/00	173,174	B 66 C	23/38	RAILWAY DRAFT APPLIANCES					43/00	353,354	B 65 D	41/00
	B 43 M	17/00	175	B 66 C	23/26						47/00	355	B 65 D	39/00
70	A 47 F	7/00	176	B 66 C	23/34						51/00	356,357	B 65 D	39/08
70.1	A 47 F	1/04	177	B 66 C	23/70	1	B 61 G				49/12			39/10
		7/00	178	B 66 C	23/72				258	B 65 D	53/00			39/12
70.2	A 63 B	55/00	179	B 66 C	23/18	1.3,1.6	B 61 G	5/06	259	B 65 D	51/16	358-362	B 65 D	3/14
70.3	A 47 F	1/04	180,181	B 66 C	23/44	2-6	B 61 G	5/02	260	B 65 D	53/00			3/16
		7/00	182	B 66 C	23/26	7	B 61 G	9/02	261	B 65 D	51/16	364	B 65 D	39/02
70.4	E 21 B	19/14	183-186	B 66 C	23/42			9/04	262	B 65 D	55/00	365-367	A 61 J	1/00
70.5-70.8	A 47 F	7/00	187	B 66 C	23/42			9/06			39/00			23/00
71-73	A 47 G	29/00						11/00	263-265	B 65 D	47/02			85/00
74-77	A 47 B	73/00	188	B 66 C	23/42	8	B 61 G	9/12			49/00			
78-85	A 47 G	29/00	189	B 66 C	23/78	9	B 61 G	9/02			39/06			
86	A 47 F	5/00	190-192	B 66 C	23/52			9/04	266	B 65 D	47/02			
87-90	A 47 F	5/08				10-49	B 61 G	9/02			49/00			
94-105	A 47 H	1/00	193,194	B 66 C	23/60			9/04			39/00	U.S. Class 217		
		2/00	195	B 66 C	23/72			9/06	267,268	B 65 D	47/02	WOODEN RECEPTACLES		
		7/00	196-198	B 66 C	23/76			11/00			49/00	1,2	B 65 D	25/00
		13/00	199-203	B 66 C	23/00	50-61	B 61 G	7/10			39/12	3	B 65 D	25/14
		15/00	204	B 66 C	23/28			9/20	269	B 65 D	53/00	4	B 65 D	88/00
		19/00	205	B 66 C	17/00	62-72	B 61 G	9/00	270	B 65 D	45/32	5	B 65 D	1/00
105.1,105.2	A 47 H	1/02				73	B 61 G	9/00	271	B 65 D	45/30	6	B 65 D	25/04
105.3-105.6	A 47 H	1/08	206	B 66 C	11/02			9/12			45/32	7-10	B 65 D	25/10
106-119	A 47 F	5/08	207	B 66 C	21/04	74	B 61 G	1/10	272	B 65 D	41/62	11	B 65 D	8/14
119.01-119.18	D 06 F	53/00	208	B 66 C	5/04	75	B 61 G	1/00	273	B 65 D	45/24	12	B 65 D	6/00
120	A 47 H	13/00						3/00	274-276	B 65 D	45/30	13	B 65 D	6/16
121,122	A 47 F	5/02	209	B 66 C	17/00			5/00			45/34	14-16	B 65 D	8/14
123	A 47 H	1/00						7/00			41/62	17	B 65 D	6/14
	A 47 K	10/04	210	B 66 C	17/00	76	B 61 G	5/06	277,278	B 65 D	45/00	18-34	B 65 D	25/02
124	A 47 H	13/00	211	B 66 C	11/10	77-174	B 61 G	3/00			45/24			81/00
125	B 42 F	13/12	212	B 66 C	5/04	175-210	B 61 G	1/00			45/16			85/00
126-133	A 47 F	3/14				211-219	B 61 G	1/00			45/04			
	A 47 J	47/00	213	B 66 C	17/00			3/00	279-282	B 65 D	45/04			
134,135	A 47 F	5/00						7/00	283-285	B 65 D	45/16			
144	A 47 F	5/02	214	B 66 C	9/14	220-223	B 61 G	11/00	286	B 65 D	45/32			
149-153	A 47 F	5/08				224	B 61 G	7/04	287-290	B 65 D	45/32			

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 217—Con.														
35	B 65 D	85/00	10.77	H 05 B	6/64	73.1	B 23 K	25/00	109-111	B 23 K	11/24	150-152	B 21 J	5/08
		85/30		H 05 B	1/02	73.11	B 23 K	9/04			9/10		H 05 B	1/00
36	B 65 D	85/68			6/06	73.2	B 23 K	9/18	112	B 23 K	11/24	153,154	B 21 J	5/06
37,38	B 65 D	85/34	10.79	H 05 B	6/36	73.21	B 23 K	9/04			9/06		H 05 B	1/00
40	B 65 D	6/08	10.81	H 05 B	6/46	74	B 23 K	9/16	113-116	B 23 K	11/26	155-157	C 21 D	9/62
42	B 65 D	81/24	50	B 23 K	9/073			9/167			9/10		H 05 B	1/00
		6/16		H 05 B	1/00			35/38	117.1	B 23 K	11/24	158-161	B 21 J	13/08
43	B 65 D	8/14			3/00	75	B 23 K	9/16	118	B 23 K	11/00	162	H 05 B	1/00
		6/16			7/00			9/24			9/00		C 21 D	1/40
44-48	B 65 D	8/00			11/00			35/38	119,120	B 23 K	9/24	200,201	H 05 B	1/00
49	B 65 D	6/08	51	B 21 L	3/02	76.1	B 23 K	9/04			11/30			3/00
51	B 65 D	81/02		H 05 B	1/00	76.11	B 23 K	9/32	121.11-121.35	B 23 K	3/03	202-208	B 60 L	1/02
52-55	B 65 D	85/30	52	B 21 L	3/00	76.12	B 23 K	9/04	121.36-121.59	B 23 K	15/00	209-221	H 05 B	1/00
		6/40		H 05 B	1/00	76.13	B 23 K	28/00			9/02			3/00
56	B 65 D	43/00	53	H 05 B	1/00	76.14	B 23 K	9/04	121.6,121.61	B 23 K	26/00			11/00
57,58	B 65 D	43/16	54	B 23 K	9/007	76.15	B 23 K	25/00	121.62	B 23 K	26/04	222	A 45 D	1/04
59	B 65 D	43/20		B 23 K	11/00	76.16	B 23 K	9/18	121.63-121.66	B 23 K	26/00			2/36
60,61	B 65 D	43/24	55	B 23 K	1/00	76.17	B 23 K	10/00	121.67	B 23 K	26/14			4/06
62,63	B 65 D	43/12	56	B 23 K	1/00	77	B 23 K	11/00			26/16			4/12
64	B 65 D	25/02			9/00	78.01-78.15	B 23 K	9/04	121.68,121.69	B 23 K	26/00	223	A 45 D	26/00
65	B 65 D	6/34			11/00	78.16	B 23 K	11/00			26/14	224	A 45 D	1/20
66-71	B 65 D	63/00	56.1-56.22	B 23 K	11/16	79.80	B 23 K	9/12			26/16			2/36
		8/00	57	B 23 K	1/00			11/00	121.7-121.72	B 23 K	26/18			4/14
72-74	B 65 D	8/16			9/00	81-84	B 23 K	11/06	121.73-121.75	B 23 K	26/00	225	A 45 D	1/04
		25/00			11/02	85.1	B 23 K	1/015	121.76,121.77	B 23 K	26/02	226	A 45 D	1/04
75	B 65 D	25/02			11/04	85.11	B 23 K	1/00	121.78	B 23 K	26/02			20/00
76,77	B 65 D	43/00			15/00			1/00			26/08			20/08
78-80	B 65 D	39/12	58	B 23 K	1/00	85.12	H 05 B	6/02	121.79	B 23 K	26/02	227	H 05 B	1/00
81-85	B 65 D	43/00			9/00		B 23 K	3/00	121.8	B 23 K	26/08			3/02
86	B 65 D	25/02			11/00	85.13	B 23 K	26/00			26/10			11/00
87	B 65 D	43/00			15/00			1/00	121.81-121.83	B 23 K	26/02	228	H 05 B	1/00
88	B 65 D	43/22	59.1	B 23 K	9/00			1/002	121.84	B 23 K	26/00			3/20
89	B 65 D	45/00			11/00	85.14,85.15	B 23 K	1/015			26/14	229-242	H 05 B	1/00
90-95	B 65 D	25/00	60,60.2	B 23 K	9/02			1/00			26/16			3/42
96	B 65 D	25/00	61-61.7	B 23 K	31/02			1/015	121.85	B 23 K	26/00	243,244	H 05 B	1/00
97	B 65 D	25/00	62	B 23 K	1/16	85.16	B 23 K	11/24	121.86	B 23 K	26/12			3/02
98-114	B 65 D	39/00			11/08			3/00	122	B 23 K	9/00	245	D 06 F	75/08
122-124	B 65 D	25/28	63-66	B 23 K	1/16	85.17	B 23 K	3/04	123	B 23 K	9/08	246	D 06 F	
125	B 65 D	25/32			11/30			1/00	124.01-124.03	B 23 K	9/06	247	D 06 F	75/28
		25/20	67	B 23 K	31/02	85.18	B 23 K	3/00	124.1-126	B 23 K	9/12			75/40
126	B 65 D	81/00	68	B 23 H	1/00			31/02	127.128	B 23 K	9/00	248	D 06 F	75/26
127	B 65 D	85/00			5/00	85.19	B 23 K	1/00	129	B 23 K	1/002	249	D 06 F	75/08
		81/38			7/00			1/00			1/005	250-253	D 06 F	75/26
128	B 65 D	81/38			9/00	85.2	B 23 K	31/02			1/008	254,255	D 06 F	75/24
129	B 65 D	81/18			11/00			35/12			1/015	256,257	D 06 F	75/26
		81/38	69.1,69.11	B 23 K	15/08	85.21	B 23 K	35/14	130.01	B 23 K	9/10	258	D 06 F	75/24
130	B 65 D	81/18			1/00			35/24			9/12	259	D 06 F	75/08
131	B 65 D	6/10			9/00	85.22	B 23 K	3/06	130.1-130.33	B 23 K	9/10	260	F 23 Q	7/00
		81/38	69.12	B 23 H	1/00			35/02	130.4	B 23 K	9/06	261	F 23 Q	7/04
					1/04			1/002	130.5,130.51	B 23 K	9/10	262-266	F 23 Q	7/00
					1/06			1/015	132-134	B 23 K	9/10			13/00
					7/02			1/19	136,137	H 05 B	7/11	267	F 23 Q	7/22
					7/04	86.1,86.21	B 23 K	9/28			9/00	268	F 23 Q	7/00
					7/06	86.22	B 23 K	9/10	137.137	B 23 K	9/28			7/16
					7/08	86.23	B 23 K	9/18	137.2	B 23 K	9/10			7/18
					7/10	86.24	B 23 K	9/28	137.31	B 23 K	9/10			7/20
					1/00	86.25	B 23 K	9/32	137.41,137.42	B 23 K	9/16	269,270	F 23 Q	7/22
6.5	H 05 B	6/00	69.13	B 23 H	1/00	86.26	B 23 K	37/02	137.43-137.51	B 23 K	9/28	271	F 22 B	1/28
7.5	B 23 H	1/00			7/14	86.31	B 23 K	9/28			9/12	272-276	F 22 B	
		5/00	69.14	B 23 H	1/08	86.32	B 23 K	11/10	137.52	B 23 K	9/28	277,278	H 05 B	3/02
		7/00			1/10	86.33	B 23 K	11/30	137.61	B 23 K	9/12	279	F 27 D	11/00
		11/00	69.15	B 23 H	1/04			9/12	137.62	B 23 K	9/32	280	H 05 B	1/00
		6/00			1/06	86.41	B 23 K	9/12	137.63	B 23 K	9/12			3/00
		6/00	69.16	B 23 H	7/18	86.51	B 23 K	37/02	137.7	B 23 K	9/10			7/18
8.5	H 05 B	6/00			7/26	86.61	B 23 K	9/12	137.8	B 23 K	9/12			11/00
9.5	B 23 K	13/00			7/28	86.7	B 23 K	37/02	137.9	B 23 K	9/32	281	F 24 H	1/00
10.41-10.47	H 05 B	6/00			7/30	86.8	B 23 K	9/32	138-144	B 23 K	9/28		H 05 B	1/00
10.491	H 05 B	6/02			7/32	86.9	B 23 K	9/12			7/10			3/00
		6/16	69.17	B 23 H	5/00	87-90	B 23 K	9/28	145.1	B 23 K	35/02			7/18
		6/22			9/00			11/10	145.21	B 23 K	35/04			11/00
		6/34			9/00	91.1-91.23	B 23 K	11/10	145.22-145.41	B 23 K	35/02	282	F 24 H	1/00
10.492	H 05 B	6/14	69.18,69.19	B 23 K	1/02	92-94	B 23 K	9/28	146.1	B 23 K	35/22		H 05 B	3/00
10.493	H 05 B	6/12	69.2	B 23 H	7/30			11/00	146.21	B 23 K	35/32			7/18
10.51	H 05 B	6/00			9/24	95.96	B 23 K	9/22	146.22-146.24	B 23 K	35/34			11/00
10.53	B 23 K	13/02			9/30			11/12	146.3	B 23 K	35/365	283-295	H 05 B	3/60
		15/04	70	B 23 K	11/12	97-100	B 23 K	9/00			35/368	296	F 24 H	1/10
10.55	B 23 K	15/10	71	B 23 K	9/00			11/04	146.31	B 23 K	35/24		H 05 B	1/00
		6/64	72	B 23 K	37/00	101-107	B 23 K	9/02	146.32-146.52	B 23 K	35/34			3/00
10.57-10.71	H 05 B	6/64			9/16			11/02	147	B 23 K	9/32			11/00
10.73	H 05 B	6/00			13/06	108	B 23 K	11/04	148	B 23 K	11/00	297	F 24 H	1/20
10.75	B 23 K	13/01	73	B 23 K	35/38			9/10	149	B 21 J	1/06		H 05 B	1/00
					9/18			11/04		H 05 B	1/00			3/00

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ELECTRIC HEATING

6.5	H 05 B	6/00	69.13	B 23 H	1/00	86.25	B 23 K	9/32	137.52	B 23 K	9/12	272-276	F 22 B	
7.5	B 23 H	1/00			7/14	86.31	B 23 K	37/02	137.61	B 23 K	9/28	277,278	H 05 B	3/02
		5/00	69.14	B 23 H	1/08	86.32	B 23 K	9/28	137.62	B 23 K	9/12	279	F 27 D	11/00
		7/00			1/10	86.33	B 23 K	11/10	137.63	B 23 K	9/32	280	H 05 B	1/00
		9/00	69.15	B 23 H	1/04			11/30	137.7	B 23 K	9/12			3/00
		11/00			1/06	86.41	B 23 K	9/12	137.71	B 23 K	9/10			7/18
		6/00	69.16	B 23 H	7/18	86.51	B 23 K	37/02	137.8	B 23 K	9/12			11/00
8.5	H 05 B	6/00			7/26	86.61	B 23 K	9/12	137.9	B 23 K	9/32	281	F 24 H	1/00
9.5	B 23 K	13/00			7/28	86.7	B 23 K	37/02	138-144	B 23 K	9/28		H 05 B	1/00
10.41-10.47	H 05 B	6/00			7/30	86.8	B 23 K	9/32		H 05 B	7/10			3/00
10.491	H 05 B	6/02			7/32	86.9	B 23 K	9/12	145.1	B 23 K	35/02			7/18
		6/16	69.17	B 23 H	5/00	87-90	B 23 K	9/28	145.21	B 23 K	35/04			11/00
		6/22			9/00			11/10	145.22-145.41	B 23 K	35/02	282	F 24 H	
		6/34			9/00	91.1-91.23	B 23 K	11/10	146.1	B 23 K	35/22		H 05 B	1/00
		6/36	69.18,69.19	B 23 H	1/02	92-94	B 23 K	9/28	146.21	B 23 K	35/32			3/00
10.492	H 05 B	6/14	69.2	B 23 H	7/30			11/00	146.22-146.24	B 23 K	35/34			7/18
10.493	H 05 B	6/12		B 23 K	9/24	95.96	B 23 K	9/22	146.3	B 23 K	9/12			11/00
10.51	H 05 B	6/00			9/30			11/12			35/365	283-295	H 05 B	3/60
10.53	B 23 K	13/02			11/12	97-100	B 23 K	9/00			35/368	296	F 24 H	1/10
		15/04	70	B 23 K	9/00			11/04	146.31	B 23 K	35/24		H 05 B	1/00
10.55	B 23 K	15/10	71	B 23 K	37/00	101-107	B 23 K	9/02	146.32-146.52	B 23 K	35/34			3/00
	H 05 B	6/64	72	B 23 K	9/16			11/02	147	B 23 K	9/32			11/00
10.57-10.71	H 05 B	6/64			13/06			11/04	148	B 23 K	11/00	297	F 24 H	1/20
10.73	H 05 B	6/00			35/38	108	B 23 K	9/10	149	B 21 J	1/06		H 05 B	1/00
10.75	B 23 K	13/01	73	B 23 K	9/18			11/04		H 05 B	1/00			3/00

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 219—Con.				H 05 B	1/00	2.2	H 01 K	3/22	211	B 65 D	55/00	352,353	B 65 D	43/04
		3/02				2.3	H 01 K	1/42	212	B 65 D	41/56			43/08
		11/00				3	F 25 J				51/26			43/06
298,299	F 24 H	1/10	378	F 24 H	7/00	3.1	A 47 J	41/00			51/28	354,355	B 65 D	43/08
	H 05 B	1/00		H 05 B	1/00	3.2-3.94	H 02 G	3/08			51/30	356,357	B 65 D	53/00
		3/00			3/02	4	B 65 D	6/00			51/32	358	B 65 D	41/00
		11/00			11/00			6/12	213	B 65 D	51/12	360-374	B 65 D	51/16
300	F 24 H	1/14	379-382	F 24 H	3/00			6/16	214	B 65 D	53/00	375	B 65 D	55/16
	H 05 B	1/00		H 05 B	1/00	5	B 65 D	6/00			55/02	376,377	B 65 D	51/00
		3/00			3/02			8/00	215	B 65 D	6/10	378	B 65 D	53/00
		11/00			11/00	6-8	B 65 D	6/12	216	B 65 D	88/34	379,380	B 65 D	43/03
301	F 24 H	1/10	383,384	H 05 B	7/18			6/16	217	B 65 D	88/48			55/00
	H 05 B	1/00	385	F 27 D	11/00			6/28	218	B 65 D	88/36	400-470	B 65 D	90/04
		3/00	386	F 24 C	7/10			8/14	219	B 65 D	88/38	900-902	B 65 D	
		11/00		F 27 D	11/00	9.1	B 65 D	30/10	220	B 65 D	88/40			
302	F 24 H	1/20	387	A 21 B	1/52	9.2,9.3	A 45 C	33/02	221	B 65 D	88/42			
	H 05 B	1/00		F 27 D	11/00			7/00	222	B 65 D	88/34			
		3/00	388	F 27 B	9/06			13/04	223	B 65 D	88/44			
		11/00		F 27 D	11/00			13/26	224	B 65 D	88/46			
303,304	F 24 H	1/16	389	F 27 B	7/00		B 65 D	30/10	225	B 65 D	88/48			
	H 05 B	1/00		F 27 D	11/00			33/02	226	B 65 D	17/28			
		3/00	390	F 27 B	5/14	17.1	B 65 D	25/20			88/50	1	B 65 G	59/00
		11/00		F 27 D	11/00	17.2	B 65 D	25/32	227	B 65 D	88/38		B 65 H	
305	F 24 H	1/12	391	A 21 B	1/00	17.3	B 65 D	25/20	228	B 65 D	53/06	2-10	G 07 F	11/00
	H 05 B	1/00			1/22	18	B 65 D	25/24	229,230	B 65 D	51/00	11	G 07 F	11/12
		3/00		F 27 D	11/00	18.1	B 65 D	85/04	231	B 65 D	51/16	12-14	G 07 F	11/00
		11/00	392	A 21 B	1/00	19	B 65 D	1/24	232-240	B 65 D	53/00	15,16	B 65 B	59/00
306-309	F 24 H	1/10		F 27 D	5/00	20-23	B 65 D	1/24	241,242	H 02 G	3/14	17	B 65 H	7/00
	H 05 B	1/00			11/00			1/36	243-251	B 65 D	45/00		G 07 F	11/00
		3/00	393-414	A 21 B	1/00			57/00	252	B 65 D	43/14	18-20	B 65 H	7/18
		11/00			1/22	23.2-23.86	A 47 G	85/00	253-256	B 65 D	51/18	21-23	B 65 G	59/00
310-315	F 24 H	1/18		F 27 D	11/00	62	B 65 D	19/00	257	B 65 D	51/20		B 65 H	3/00
	H 05 B	1/00	415-419	F 27 D	11/00	66-70	B 65 D	21/02	258	B 65 D	51/22	24	A 24 F	15/04
		3/00	420-427	F 27 B	14/00			25/00	259	B 65 D	43/16		G 07 F	11/00
316,317	H 05 B	1/00	428-442	F 27 D	11/00			6/34			43/18	25	G 07 F	11/00
		3/78	443-468	H 05 B	3/68			8/04			51/18	26	G 07 F	11/66
		11/00	469-471	B 21 B	27/06			8/06	260	B 65 D	17/50	27-29	B 65 H	3/58
318	H 05 B	1/00		H 05 B	3/02	70.1	B 65 D	8/08			41/02		A 47 F	1/00
		3/80	472-476	H 05 B	3/02			6/34	261	B 65 D	41/00		G 07 F	11/00
		11/00	477	B 23 K	13/08			8/04	262-264	B 65 D	43/26	30-32	G 07 F	11/72
319-321	H 05 B	1/00		H 05 B	3/02			8/06	265	B 65 D	41/02	33-35	B 65 H	1/00
		3/78	478-481	H 05 B	3/02	71,72	B 65 D	8/08			41/32	36-43	B 65 H	3/00
		11/00	482	B 23 K	13/08			6/34	266	B 65 D	41/32	44-55	A 47 K	10/24
322-324	F 24 H	1/00			15/02			8/04	267	B 65 D	17/30		B 65 H	1/00
		3/02		H 05 B	3/02			8/06	268	B 65 D	17/32	56-60	B 65 H	1/08
		7/00	483-489	H 05 B	3/02	72.1	B 65 D	8/08	269-273	B 65 D	17/34	61-63	B 65 H	1/00
325	F 24 F	1/00	490-506	H 05 B	1/02			6/34	274	B 65 D	17/36	64,65	B 65 D	83/00
	H 05 B	3/02	507,508	H 05 B	3/02			8/04	275	B 65 D	17/38	66	A 47 F	1/04
		11/00	509-519	H 05 B	1/02			8/06	276	B 65 D	17/40		G 07 F	11/00
326	F 24 H	7/02	520-527	H 05 B	3/06	73,74	B 65 D	8/08	277	B 65 D	17/42	67	B 65 G	59/00
	H 05 B	1/00	528,529	H 05 B	3/34			6/34	278	B 65 D	17/44		G 07 F	11/08
		3/02			3/54			8/04	279	B 65 D	17/46	68	B 65 G	59/00
		11/00	530	H 05 B	3/06			8/06	280	B 65 D	17/48		B 65 H	1/00
327-338	F 24 H	1/00			3/50			8/08	281,282	B 65 D	43/04	69	G 07 F	11/00
	H 05 B	1/00	531-533	H 05 B	3/06	75-81	B 65 D	25/00	283	B 65 D	43/16	70-74	B 65 H	5/28
		3/02	534	H 05 B	3/40	82	B 65 D	25/54	284-286	B 65 D	17/52		G 07 F	11/68
		11/00	535	H 05 B	3/58	82.5	A 47 J	31/04			43/26	75-89	G 07 F	11/00
339,340	F 24 H	3/00	536,537	H 05 B	3/06	83,84	B 65 D	6/10	287	B 65 D	51/00	90	G 07 F	11/06
	H 05 B	1/00	538,539	H 05 B	3/02			8/04	288-292	B 65 D	41/04	91	G 07 F	11/00
		3/02	540	H 05 B	3/06			90/02	293-302	B 65 D	41/06	92	B 65 G	59/00
		11/00	541	H 05 B	3/08	85	B 65 D	6/12			41/36		B 65 H	1/00
341	F 24 H	7/00	542	H 05 B	3/06			6/40	303	B 65 D	51/16		G 07 F	11/00
	H 05 B	1/00	543	H 05 B	3/16			25/00	304	B 65 D	53/00	93-95	B 65 H	3/44
		3/02	544	H 05 B	3/44			90/12	305	B 65 D	51/12		G 07 F	11/00
342-349	F 24 H	9/02			3/50	86	B 65 B	3/00	306	B 65 D	41/16	96-102	A 47 F	1/00
	H 05 B	1/00	545	H 05 B	3/34			3/00			41/18		G 07 F	11/00
		3/02			3/54	87-90	B 65 D	25/00	307,308	B 65 D	39/00	103-111	B 65 G	59/00
		11/00	546	H 05 B	3/02	90.2-90.6	A 47 G	19/22	309,310	B 65 D	41/10		B 65 H	3/00
350-364	F 24 H	3/00	547,548	H 05 B	3/10	91,92	B 65 D	25/32			41/12	112-118	G 07 F	11/12
	H 05 B	1/00	549	H 05 B	3/34	93	B 65 D	25/10	314	B 65 D	45/28		B 65 G	59/00
		3/02			3/54	94-96	B 65 D	25/28	315-318	B 65 D	45/32		B 65 H	3/00
		11/00	550,551	H 05 B	3/02	200	B 65 B	7/28	319,320	B 65 D	45/34	119-122	G 07 F	11/00
365	F 24 H	7/00	552,553	H 05 B	3/10			6/40	321	B 65 D	45/36		B 65 H	1/00
	H 05 B	1/00						35/44	322	B 65 D	45/34		G 07 F	11/00
		3/02						39/00	323	B 65 D	45/04	123-132	B 65 G	59/00
		11/00						41/00	324-326	B 65 D	45/16		B 65 H	3/44
366-368	F 24 H	9/02						43/00	327,328	B 65 D	45/00		G 07 F	11/00
	H 05 B	1/00						45/00	329-334	B 65 D	43/14	133	B 65 H	1/00
		3/02						51/00			51/04		G 07 F	11/10
369-372	F 24 H	1/00	1	B 65 D	90/00			53/00	335	B 65 D	43/24	134	B 65 G	59/00
	H 05 B	1/00	1.5	B 65 D	88/00			55/00	336	B 65 D	43/18	135-150	A 24 F	27/14
		3/02	2	B 65 D	88/00			90/54	337-343	B 65 D	43/14		B 65 D	83/00
		11/00	2.1	H 01 J	61/30	201	B 65 D	55/00			51/04		G 07 F	11/72
373-377	F 24 H	3/00		H 01 K	1/28	202-209	B 65 D	51/16	344	B 65 D	53/00	151-153	B 65 G	59/00
						210	B 65 D	55/14	345-351	B 65 D	43/20		B 65 H	3/00

U.S. Class 221

ARTICLE DISPENSING

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 221—Con.														
154,155	G 07 F	11/16	281	G 07 F	11/16	146.1-146.6	B 67 D	5/62			83/14	591	B 22 D	45/00
	A 47 F	1/04		B 65 G	59/00	147	B 65 D	47/02			83/24			41/00
156-173	B 23 Q	7/12	282-287	B 65 H	1/30			49/00	402.15	B 65 D	83/00	592	B 22 D	41/50
174	B 65 H	9/00	288	B 65 G	59/00	148-152	B 67 D	5/00			83/06			35/06
	B 23 Q	7/00	289-301	B 65 H	1/00	153	B 67 B	1/08			83/14			41/005
175-184	G 07 F	11/00		G 07 F	11/00		B 67 D	5/00			83/18	593	B 67 D	5/62
185	B 65 G	59/00	302-311	B 65 G	59/00		B 67 D	5/32	402.16,402.17	B 65 D	83/00		B 22 D	35/06
186-190	G 07 F	1/30		B 65 H	3/30		G 07 F	5/33			83/06			41/015
191-196	A 01 C	15/04	312	G 07 F	11/16			5/378			83/14			41/05
	A 24 F	11/46		A 47 F	1/04	154-159	B 67 D	5/38	402.18	B 65 D	83/00	594	B 67 D	5/62
197,198	G 07 F	11/00		G 07 F	11/16	160-175	B 67 D	5/64			83/06		B 22 D	41/08
199	B 65 G	59/00		B 65 G	59/00	179-186	B 67 D	5/06			83/14		B 67 D	5/37
	B 65 H	83/00	U.S. Class 222			187	B 67 D	3/00			83/58			5/54
		85/00	DISPENSING			188	B 67 D	1/08	402.19	B 65 D	83/00	595	C 21 B	7/12
200-205	G 07 F	11/00		G 07 F	11/00	189,190	B 67 D	5/58			83/06		B 67 D	1/04
206,207	B 65 G	59/00		B 65 H	1/00	191	B 67 D	5/06			83/14	596	B 67 D	5/54
	B 65 H	3/00		G 07 F	11/00	192	B 67 D	1/07			83/56			1/10
208-210	G 07 F	11/00				195	B 65 G	5/06	402.2	B 65 D	83/00	597	B 22 D	5/40
	B 23 Q	7/04	1	B 67 B	7/00		B 67 D	69/06			83/06			41/08
	B 65 G	3/60		G 01 F	11/00	196-203	A 45 D	24/22	402.21	B 65 D	83/00			41/14
	B 65 H	11/00	2	B 67 D	5/10		B 65 D	83/00			83/14			41/16
211	B 65 G	59/00		G 07 F	13/00	204	B 65 G	69/00			83/46		B 67 D	41/22
	B 23 Q	7/04	3-6	B 67 D	5/00	205	B 67 D	5/06	402.22-403	B 65 D	83/06	598-602	B 22 D	41/44
	B 65 H	3/08	14-19	B 67 D	5/30	206-215	B 65 D	37/00			83/06		B 67 D	3/00
	G 07 F	11/16	20	G 01 F	11/12	216-235	G 01 F	11/00			83/14	603	B 22 D	5/00
	B 23 Q	7/04				236-242	G 01 F	13/00	404-409	G 01 F	11/20	604	B 67 D	41/04
	B 65 G	59/04	21,22	B 67 D	5/30	243-248	G 01 F	11/14	410-415	G 01 F	11/20		B 22 D	41/06
	B 65 H	3/08	23	B 67 D	5/06	249	G 01 F	11/04	416	F 04 F	10/00	605		41/04
	G 07 F	11/10				250	G 01 F	11/06	420-422	B 65 D	47/18			41/05
212	B 23 Q	7/04	24	B 67 D	5/22	251,252	B 65 D	88/54	423	B 67 D	5/06			41/06
	B 65 G	59/04	25-29	B 67 D	5/06		G 01 F	13/00	424-453	G 01 F	11/28	606,607	B 22 D	35/00
	B 65 H	3/16				253	G 01 F	11/04	454-456	G 01 F	11/26			37/00
213-216	G 07 F	11/10	30	B 67 D	5/24	254,255	B 67 D	5/52	457	G 01 F	11/28			39/00
	A 01 C	9/00	31	B 67 D	5/22	256-281	G 01 F	11/00	457.5	A 47 G	19/12		B 67 D	5/00
	B 23 Q	7/04	32-35	B 67 D	5/26	282-343	B 65 D	88/54	459	B 65 D	83/00	608-610	A 01 C	
	B 65 H	3/22	36-38	B 67 D	5/22		G 01 F	11/06	460-462	B 65 D	88/26	611.1	A 01 C	5/64
	G 07 F	11/16	39	B 67 D	5/32			11/30		B 67 C	11/00	611.2	B 67 D	
217-220	A 01 C	9/00				344-371	G 01 F	11/10	463	B 67 D	5/64		A 01 C	21/00
	B 23 Q	7/04	40	B 67 D	5/32	372-385	B 67 D	5/40	464	B 67 D	5/60	612-616	E 04 G	
	G 07 F	11/16				386-393	B 67 D	5/42	465.1	A 47 G	19/14		A 01 C	15/04
221-223	B 65 H	3/28					G 01 F	11/00	466-475	A 47 G	19/00	618-620	A 01 C	
	B 65 G	5/00				394	B 65 D	83/00		B 65 D	83/00	621	A 01 C	23/00
224,225	G 07 F	11/16						83/06	475.1	A 47 G	19/14		A 01 G	25/09
	B 65 H	5/00						83/14	476,477	B 65 D	47/00		B 05 B	3/18
226-232	G 07 F	11/16	41-51	B 67 D	5/22			83/68	478-489	B 67 D	3/00	622-625	A 01 C	
	B 65 H	1/08	52-69	B 67 D	5/08			83/70	490-501	B 65 D	5/72	626,627	F 04 B	17/06
233-238	B 65 G	5/00	71-73	B 67 D	5/16			83/76			25/40	628	F 04 B	33/00
	G 07 F	11/16	74,75	B 67 D	5/12			83/80			35/38	629	B 22 D	41/00
239	B 23 Q	7/00	77	G 01 G	13/00			83/72	502,503	B 65 D	47/00	630	B 05 B	7/00
240	B 65 H	3/26						83/06	504,505	B 67 D	3/00	631,632	B 05 B	11/02
241,242	B 65 G	31/20	78	B 67 D	17/04	395-402	B 65 D	83/00			5/06	633	B 05 B	11/06
	G 07 F	11/16	79	A 63 H	3/18			83/14	506	B 65 D	47/20	634	B 05 B	11/00
243-252	B 65 G	59/00	80-91	B 67 D	5/00			83/16	507,508	B 67 D	3/00	635	B 65 D	83/14
	B 65 H	3/00	92	B 65 D	35/00	402.1	B 65 D	83/00			5/06	636	A 01 C	15/04
	G 07 F	11/16						83/06	509	B 22 D	37/00		B 67 D	5/00
253	B 65 H	3/36	93	B 65 D	35/24			83/14			41/00	637	B 05 B	7/14
	G 07 F	11/26	94	B 65 D	35/22			83/28			3/00		B 65 G	47/34
254	A 24 F	15/04	95	B 65 D	35/28			83/32			5/06	638,639	B 67 D	5/08
	G 07 F	11/16	96	B 65 D	35/54			83/34	510-540	B 67 D	7/12		G 04 C	23/00
255-258	B 65 G	59/00	97,98	B 65 D	35/28			83/36			5/06	640,641	G 04 C	1/12
	B 65 H	3/00	99	B 65 D	35/32			83/38			47/10	642-648		23/00
	G 07 F	11/16	100	B 65 D	35/34			83/40	541	B 65 D	47/00		G 05 D	7/00
259	B 65 G	59/00	101-104	B 65 D	35/28			83/42	542,543	B 67 D	3/00	649	G 04 C	23/42
	B 65 H	3/02	105	B 65 D	35/56			83/44			5/06		G 05 D	7/00
260-271	G 07 F	11/16	106	B 65 D	35/18			83/48	544-563	B 65 D	47/00	650	A 01 K	5/02
	B 65 G	59/00						83/50			3/00			7/00
	B 65 H	3/00						83/52	564	B 67 D	5/06	651,652	A 47 L	15/46
	G 07 F	11/16						83/00			19/24		D 06 F	39/02
272-275	B 65 G	59/00	107	B 65 D	35/08	402.11	B 65 D	83/00			47/00			
	B 65 H	3/00						83/06	566-575	B 65 D	5/72			
276	G 07 F	11/22						83/14			25/40	U.S. Class 223		
	B 65 G	59/00	108-111	B 67 D	1/16			83/22			35/38	APPAREL APPARATUS		
	B 65 H	3/00	113	B 65 D	5/66	402.12	B 65 D	83/06	576	B 43 L	25/00	1	A 41 H	43/00
277	G 07 F	11/16	129-129.4	B 67 D	5/56			83/14	577	B 43 L	27/00		A 41 H	9/00
	B 65 G	59/00	130-134	B 67 D	5/60	402.13	B 65 D	83/06	578-582	B 43 L	25/04	1.1	A 41 H	43/00
	B 65 H	3/00						83/06			25/02	2	A 41 H	33/00
278	G 07 F	11/24	135-142	B 67 D	5/52			83/06	583	B 43 L	25/06	3	A 41 H	43/00
	B 65 G	59/00	142.1-142.9	A 47 G	19/12			83/14	584	B 43 L	25/02	4.6	A 41 H	43/00
	B 65 H	3/08						83/20	585-589	B 22 D	37/00		A 42 C	1/00
279,280	B 65 G	59/00				402.14	B 65 D	83/00	590		39/00	8	A 42 C	3/00
	B 65 H	1/08	143-145	B 67 D	5/60			83/06			41/00			

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 223—Con.			154	A 45 F	4/04		B 65 D	25/00	U.S. Class 226					15/60
			155	A 45 F	4/02			33/02	ADVANCING MATERIAL OF					17/60
			156	A 45 F	4/06	232,233	B 26 B	29/02	INDETERMINATE-LENGTH					19/60
10	A 42 C	1/08			4/08		F 41 B	13/04						21/60
11	A 42 C	1/00				234	A 45 F	5/14						23/60
12-17	A 42 C	1/04	157	A 45 F	1/00	235-237	B 65 D		1	B 65 H	16/00			27/60
18	A 42 C	1/08		A 61 G	5/00	238	F 41 C	33/02			18/00			29/60
19	A 42 C	1/00			1/00	239	F 42 B	39/02			20/00			31/60
20,21	A 42 C	1/08	158	A 61 G	5/00	240,241	B 65 D		2	B 65 H	23/00			33/60
22-26	A 42 C	1/00			1/00	242	B 65 D	25/10	3	B 65 H	23/02			35/60
27	A 41 H	43/00	159-161	A 61 G	1/00	243,244	F 41 C	33/02	4	B 65 H	23/18			39/60
28-36	A 41 H	43/00	162	B 65 H	75/40	245	B 65 D	25/04	5	B 65 H	20/00			41/60
	D 05 B	35/08	163	A 44 B	11/00			25/10	6	B 65 H	20/14	21-24	B 31 B	1/68
	D 06 J	1/00	164,165	A 44 C	5/00			25/10	7	B 65 H	20/00	25	B 27 F	7/17
37,38	A 41 H	33/00	166-169	A 44 C	5/14	246	B 65 D	25/10	8	B 65 H	15/00	26	B 27 F	4/00
39-51	A 41 H	43/00	170	A 44 C	5/00	247,248	A 45 F	5/00	9-16	B 23 Q	16/00	27	B 27 F	7/00
52-52.6	D 06 C	15/00		A 45 C	11/10		B 25 B	5/00			43/00	28,29	A 43 B	21/36
53	A 41 C	1/00	171-174	A 44 C	5/00	249	A 45 F	5/00			15/00			21/52
54-66	D 06 C	15/00	175	A 44 C	5/00	250	A 45 F	3/14	17-19	B 23 Q	16/00	30	B 27 F	7/00
67	A 41 H	5/02			5/04	251-253	A 45 F	5/00			26/00	31-38	A 41 H	37/00
68,69	A 41 H	5/00	176	A 44 C	5/18	254	A 45 F	3/14			43/00	39,40	B 27 F	7/00
70	A 41 H	5/00	177	A 44 C	5/14	255,256	A 45 F	5/00	20-26	B 23 Q	15/00		B 27 M	3/34
	D 06 F	73/00	178	A 44 C	5/00	257,258	A 45 F	3/14			16/00	41,42	B 31 B	13/60
71	A 41 H	5/00	179	A 44 C	5/12	259,260	A 45 F	3/04			26/00		A 43 D	69/00
72-74	D 06 C	15/00	180	A 45 C	11/10	261-263	A 45 F	3/08			43/08			71/00
75-77	D 06 C	5/00		G 04 B	37/12	264	A 41 F	15/02	27	B 65 H	23/04			75/00
78-80	A 41 D	1/00	181	A 42 B	1/24		A 45 F	3/12	28-33	B 65 H	23/18		B 27 F	7/02
81-84	D 06 C	15/00		A 45 B	11/04	265,266	A 45 F	3/10	34-36	B 65 H	23/16	43,44	B 27 F	7/02
85-98	A 41 D	27/22		A 45 F	5/02	267-272	A 45 F	5/00	37-42	B 65 H	23/18	45	B 27 F	7/02
99	D 05 B	87/00	182	A 45 F	5/00	273	B 60 R	7/00	43-48	B 23 Q	15/00		B 31 B	13/02
100	D 05 B	97/00	183	A 45 F	5/00			7/12			16/00	46	B 27 F	7/02
101	D 05 B	91/04	184	A 45 F	3/14			7/14			26/00	47	B 27 F	7/02
102-104	D 05 B	85/00	185	A 45 F	5/00			9/00	49-51	B 65 H			B 31 B	13/14
105	A 47 H	3/00		G 03 B	17/00			9/00	52	G 03 B	1/18	48	B 27 F	7/02
106-109	A 41 H	31/00	186-190	A 45 B	11/02	274	B 60 R	9/00	53	B 65 H	20/00		B 42 B	4/00
111	A 47 G	25/80	191	A 45 F	5/00	275-282	B 60 R	7/00	54	G 03 B	1/20			5/00
		25/90		B 65 D		309	B 60 R	9/00	55-61	G 03 B	1/28		B 42 C	1/12
112	A 47 G	25/90	192,193	F 41 C	33/00			9/04	62-73	G 03 B	1/22	49	B 27 F	7/02
113-117	A 47 G	25/80	194	A 45 F	5/02	310	B 60 R	9/00	74,75	G 03 B	1/30	50	B 27 F	7/02
118,119	A 47 G	25/82	195	A 45 F	5/00			9/042	76-86	G 03 B	1/24		B 42 D	3/00
120	A 41 H	5/00		F 42 B	39/02	311	B 60 R	7/00	87	G 03 B	1/34	51-62	B 21 J	15/10
				B 65 D	83/00	312	B 60 R	7/00	88	B 65 H	23/34	63	B 25 C	11/00
				B 65 G	59/00			7/05	89-92	G 03 B	1/56	64	B 21 D	
				A 01 K	97/04	313	B 60 R	7/00	93-97	B 65 H	20/00	65,66	B 27 F	7/00
					97/06			7/10	100-108	B 65 H	20/24	67-75	A 43 D	69/00
				B 65 D	25/52	314	B 60 R	9/00	109-117	B 65 H	20/24	76-78	B 25 C	
				F 41 C	33/02			9/04	118	G 11 B	15/56		B 27 F	7/00
				B 65 D	39/08	315	B 60 R	9/00		B 65 H	20/24	79,80	A 43 D	61/00
0.5	A 45 C	7/00	198		43/00	316	B 60 R	9/00	119	B 65 H	20/00	81	B 27 F	7/17
29.5	B 60 R	9/00	199		97/10			9/05	120-143	B 65 H	23/06	82-91	B 25 C	5/04
		11/00	200	A 01 K	3/10	317-319	B 60 R	9/00	144-151	B 65 H	20/00			5/08
30-35	B 62 J	7/00	201	A 45 F	3/02	320	B 60 R	9/00	152-183	B 65 H	20/00	92	B 21 D	13/02
		9/00	202	F 42 B	39/02			9/045	184	G 03 B	1/46			13/04
		11/00	203	A 45 F	3/02	321	B 60 R	9/00	185-194	B 65 H	23/08	93-98	A 43 D	69/12
36	B 62 J	7/06	204	A 45 C	13/30	322	B 60 R	9/00	195	B 65 H	23/04		B 27 F	7/00
37-42	B 62 J	7/00	205	A 45 F	3/02			9/052	196	G 03 B	1/48	99-106	B 25 C	5/00
		9/00			3/14	323	B 60 R	9/00	197,198	B 65 H	23/32		B 27 F	7/00
		11/00		B 65 D	33/14	324	B 60 R	9/00	199	B 65 H	23/32	107	B 25 C	3/00
42.01	B 60 R	7/00	206	A 45 F	5/00			9/048		G 03 B	1/50			5/00
		9/00		F 41 C	33/02	325-327	B 60 R	9/00	200	B 65 H	27/00		B 27 F	7/00
42.03-42.05	B 60 R	11/00	207	A 45 C	13/30	328	B 60 R	9/00				108	B 31 B	1/70
		9/00	208	A 45 F	3/14			9/055					B 25 C	5/02
42.06	B 62 D	43/00		A 45 F	3/14	329	B 60 R	9/00						5/04
42.07-42.11	B 60 R	9/00	209	F 42 B	39/02			9/058						5/06
		11/00	210-212	A 45 F	3/08	330,331	B 60 R	9/00						5/08
42.12-42.3	B 62 D	43/00	213-216	A 45 F	3/04								B 27 F	7/00
42.31-42.44	B 60 R	7/00	217	A 41 D	19/00								B 31 B	1/70
		9/00		B 65 D									B 25 C	5/02
		11/00	218,219	A 45 C										5/06
42.45,42.46	B 60 R	7/00		A 45 F	3/14				1-8	B 21 J	15/28	109-128	B 27 F	7/00
		7/10		A 45 C	3/14				9	B 27 F	7/17		B 25 C	5/00
		9/00	220	A 45 F					10	B 25 C	1/12	129	B 27 F	7/00
		11/00		A 44 C	5/18						1/14	130	B 25 C	1/04
44.5	E 04 G	21/16	221	A 45 F	3/14	1-5	B 26 F	3/00		B 25 C	1/18			5/02
101	A 45 F	5/00	222	A 45 C	13/30			3/02		B 25 C	1/00			5/06
103	A 01 K			A 45 F	3/14		B 65 H	35/00	11	A 41 H	37/04	131-133	B 25 C	1/00
148	A 45 F		223	A 45 F	5/00			35/10	12-14	B 25 C	7/00			5/02
149	A 45 F			F 42 B	39/02	6-92	B 26 F	3/02	15-18	B 42 B	5/02			5/06
	F 41 C	33/02	224-226	A 45 F	3/00		B 65 H	35/10	19	B 31 B	1/00		B 27 F	7/00
150	F 41 C	23/02		B 65 D		93-106	B 26 F	3/00	20	B 31 B	1/68	134	B 25 C	5/02
		33/00	227,228	A 45 F	3/00			3/02			3/60			5/06
151	A 45 C	15/00		F 42 B	39/02			35/00			5/60		B 27 F	7/00
	A 45 F	4/00	229	A 45 C	1/04		B 65 H	35/10			7/60	135-139	B 25 C	5/02
152	A 44 C	5/00	230	B 65 D							9/60			5/06
	A 45 F	4/00		F 41 C	33/02						11/60			5/16
153	A 45 F	4/02	231	A 45 C	13/36						13/60		B 27 F	7/00

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 235—Con.			U.S. Class 236			U.S. Class 237			U.S. Class 239			U.S. Class 238		
			AUTOMATIC TEMPERATURE AND HUMIDITY REGULATION			HEATING SYSTEMS			FLUID SPRINKLING, SPRAYING AND DIFFUSING			RAILWAYS, SURFACE TRACK		
200,201	G 06 D					92	G 05 D	27/00						
	G 06 M	1/12				93,94	G 05 D	23/00						
375	G 06 F	15/20				95	F 23 N	1/00	10-14	E 01 C	25/28			
376	G 06 F	15/46	1	F 23 N				5/06	14.05-14.15	E 01 B	9/00			
377	G 06 K	7/10				96	F 23 N	5/04	14.2-14.9	B 60 M	23/00			
378	G 06 K	15/00	2	G 05 D	23/00	97,98	G 05 D	23/00		E 01 B	11/54	87	B 05 B	1/24
379	G 06 F	15/30	3	A 01 K	41/00	99,100	G 05 D	23/12	15,16	B 60 M	5/00		B 05 C	5/04
380	G 06 K	5/00		A 01 G	23/10	101-103	G 05 D	23/02	17-23	E 01 B	5/18		B 29 C	45/20
381	G 06 F	7/08	4,5	A 01 K	41/00	104	F 23 N	1/00	24-26	E 01 B	3/12		F 02 M	55/00
382	G 06 K	5/00	6	A 01 K	41/00			5/02			3/22		B 29 C	45/20
382.5	G 06 K	7/01	7	A 01 K	31/18						3/38		F 02 M	49/02
383	G 06 K	15/00	8	D 06 F	75/00						3/00		F 02 M	47/02
384	G 07 B	15/02		F 23 N	3/00						7/22		F 02 M	45/10
385	G 06 F	15/24	9-11	G 05 D	23/00						29/06		F 02 M	41/16
			12.1	F 23 N	23/13						3/00		B 05 B	3/00
			12.11	G 05 D	23/185						3/00		B 05 B	1/08
			12.12	G 05 D	23/13						3/00		B 05 B	1/08
386	G 06 F	15/30	12.13	G 05 D	23/12	1	F 24 D	23/00	29-108	E 01 B	3/00		B 05 B	3/04
400-402	G 06 F	15/58	12.14-12.23	G 05 D	23/13	2	G 05 D	31/20			9/14	103,104	B 05 B	1/28
	G 06 G	7/80		G 05 D	23/00	3,4	A 01 K	41/02	109-120	E 01 B	21/04	105	B 05 B	1/28
403	G 06 F	15/50		G 05 D	23/00	5,6	B 60 H	1/00			31/20	106-119	B 05 B	15/04
	G 06 G	7/80		F 23 N	1/08		B 61 D	27/00			3/14		F 23 D	11/34
404-418	G 06 F	15/58		G 05 D	23/00	7	F 24 H	3/06	121-150	E 01 B	5/00			11/38
	G 06 G	7/80		F 27 D	19/00	8	F 24 D	3/00			13/00			14/50
419	G 06 C	15/00		F 28 F	27/00	9,10	F 24 D	1/00	151-263	E 01 B	11/00			1/28
	G 06 F	3/08		F 28 B	11/00	11	F 24 D	5/00	264-286	E 01 B	9/38			15/02
420	G 06 C	21/00		G 05 D	15/00	12	B 60 H	1/02	287-309	E 01 B	3/12			11/38
	G 06 F	7/52		F 28 F	27/00	12.1	F 24 D	1/04			3/22			14/50
		9/00		G 05 D	27/00		F 24 D	5/00			3/38			9/00
421	G 06 C	15/08		F 28 F	27/00		B 60 H	1/02	310-378	E 01 B	9/00			33/04
	G 06 F	7/44		G 05 D	23/12		B 61 D	27/00			13/00			1/24
		7/52		F 28 F	27/00		B 60 H	1/02			21/04			7/16
422	G 06 C	15/08		G 05 D	23/08		B 61 D	27/00			29/24			1/00
	G 06 F	7/44		F 23 N	1/08		B 60 H	1/06	379-381	E 01 B	19/00			11/44
423	G 06 C	15/04		G 05 D	15/00		B 61 D	27/00	382	E 01 B	19/00			14/66
	G 06 F	7/42		F 22 B	37/42		F 24 D	27/00						1/24
		7/50		F 23 N	5/24		F 24 D	27/00						1/00
424	G 06 C	9/00		F 22 B	35/00		A 01 K	31/20						1/24
425	G 06 F	7/08		F 28 F	27/00			41/02						9/00
426	G 06 F	7/40		F 22 B	35/00			3/06						27/00
427,428	G 06 F	7/46		G 05 D	15/00		F 24 H	3/08						25/09
429	G 06 F	5/00		F 22 B	35/00		F 24 H	1/22						9/03
430	G 06 C	9/00		G 05 D	23/12		B 60 H	1/00						9/00
431	G 06 F	7/02		F 22 B	35/00		B 61 D	27/00	1	B 05 B	17/00			1/28
		11/10		G 05 D	23/02		B 60 H	1/22	2.1	A 01 G	15/00			1/28
432	G 06 F	3/12		F 01 P	7/02		B 60 H	1/22		E 01 H	13/00			15/04
		15/12		F 28 F	27/00		F 24 D	3/00	2.2	F 25 C	3/04			15/00
433	G 06 C	11/10		F 24 F	11/04		B 60 H	1/22	3	A 01 G	23/10			9/08
		11/12		F 28 F	27/00		B 61 D	27/00		B 05 B	5/025			9/06
434	G 06 C	11/08		F 16 T	1/00		B 60 H	1/22	4	B 05 B	17/04			1/20
	G 06 F	15/12		F 24 F	11/00		F 24 D	1/00	5	F 02 D	1/06			3/02
435,436	G 06 K	7/00		F 24 F	11/00		B 60 H	1/22			7/00			3/14
437	G 06 K	5/00		F 16 T	1/00		B 61 D	27/00	6	A 61 L	9/04			1/20
438-440	G 06 K	7/00		F 24 F	11/00		B 60 H	1/20	7	B 05 B	17/04			1/16
441-443	G 06 K	7/06		F 24 F	11/00		F 24 D	11/00	8-10	A 62 C	5/02			1/18
444-448	G 06 K	7/04		F 24 F	11/00		B 60 H	1/22	11,12	B 05 B	17/04			25/09
449-451	G 06 K	7/08		B 01 F	3/02		F 24 F	7/00	13	B 05 B	1/24			19/16
452	G 06 K	7/02		G 05 D	21/00		F 24 D	5/00			17/04			3/02
453	G 06 K	7/00		F 23 N	3/00		F 24 B	7/00	14.1	A 01 G	15/00			11/00
454	G 06 K	7/10		F 23 N	5/20		F 24 D	3/00		E 01 H	13/00			9/00
		7/14		G 05 D	23/00		F 24 D	3/02		F 25 C	3/04			1/20
455-464	G 06 K	7/10		G 05 D	23/10		F 24 D	3/10		E 03 B	9/20			3/00
465	G 06 K	7/12		F 24 F	7/00		F 24 D	1/00		B 05 B	17/08			1/36
466-468	G 06 K	7/10		G 05 D	23/00		F 24 D	5/10		F 21 P	7/00			75/00
469	G 06 K	7/12		F 24 F	11/00		F 24 D	19/02	18-20	B 05 B	17/08			200,201
470-473	G 06 K	7/10		G 05 D	15/00		F 24 D	9/06	21-23	B 05 B	12/14			15/06
474	G 06 K	7/016		F 16 T	1/02		F 24 H	3/00	24-32	E 03 B	9/20			3/04
475-477	G 06 K	13/00		F 16 T	1/20		F 24 H	7/00		A 47 G	21/18			15/10
478	G 06 K	13/107		F 16 T	1/02		F 24 H	3/00		A 61 J	15/00			3/00
479	G 06 K	13/04		F 16 T	1/04		F 24 F	3/14	34-60	A 24 F	25/00			15/10
480	G 06 K	13/08		F 16 T	1/06			5/00		A 61 L	9/04			15/06
481	G 06 K	13/077		F 16 K	24/00			19/06		B 05 B	7/00			3/00
		13/30		F 16 T	1/45		E 03 B	7/10		A 01 G	25/00			15/06
482	G 06 K	13/00		G 05 D	15/00						27/00			1/00
483,484	G 06 K	13/06			23/00						12/08			3/02
		13/24			23/22						17/04			11/04
485	G 06 K	13/063		G 05 D	23/22						25/02			11/04
		13/067		G 05 D	23/22						27/00			3/02
		13/24		G 05 D	23/00						5/08			11/04
486	G 06 K	7/00		G 05 D	23/00						5/38			3/04
487	G 06 K	19/00		G 05 D	23/00						37/36			3/10
488	G 06 K	19/02		G 05 D	23/00						12/10			11/04
489	G 06 K	21/00		G 05 D	15/00						15/00			3/00
490-494	G 06 K	19/06		G 05 D	23/00						9/06			3/02
495	G 06 K	21/06		G 05 D	23/00									

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U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 239—Con.						U.S. Class 241											
231-236	B 05 B	3/14	338	A 61 M	11/06	533.4	F 02 M	45/00	SOLID MATERIAL COMMUNUTION OR DISINTEGRATION			38-59	B 23 Q	11/00			
237,238	B 05 B	3/08	339	B 05 B	7/04			63/00					B 02 B	1/00			
239	B 05 B	3/04	340	A 62 C	13/62	533.5	F 02 M	45/00					B 02 C	11/08			
240,241	B 05 B	3/16			13/66			59/20	1	B 02 C	19/00			21/00			
242	B 05 B	3/04		B 05 B	7/30	533.6	F 02 M	59/20	2	A 47 J	19/06			23/18			
243-249	B 05 B	3/16	341-352	B 05 B	7/30			61/16		B 02 C	11/00			23/24			
251-262	B 05 B	3/00	353	B 05 B	7/30	533.7	F 02 M	61/08		B 09 B	3/00			23/26			
263	B 05 B	3/06		F 23 D	14/60	533.8	F 02 M	47/02	3	B 01 J	19/12			23/28			
	B 05 B	3/04	354	B 05 B	7/30	533.9	F 02 M	61/20		B 02 C	19/12			23/30			
	B 05 B	3/16	355-363	A 62 C	11/00	536	B 05 B	1/14		B 09 B	3/00			23/32			
263.1-265	B 05 B	3/00		B 05 B	11/06	537-541	B 05 B	1/32	4	B 09 B	3/00			23/34			
265.11	B 63 H	11/00	364-371	A 61 M	11/02	542	B 05 B	15/00		B 27 J				23/36			
	B 64 D	33/04	372	A 62 C	13/62	543	B 05 B	1/26		B 27 K	7/00			23/38			
265.13,265.15	B 64 D	33/04			13/66			11/36			9/00			23/40			
265.17	B 63 H	25/46	373	A 61 M	11/02	544,545	B 05 B	1/26		B 27 L	11/00			4/00			
265.19	B 63 H	11/10		B 05 B	9/04	546,547	B 05 B	15/00	5	B 31 F	7/00			7/00			
	B 64 C	15/00	374-378	A 01 G	25/14	548	B 05 B	5/00	6,7	B 02 C	19/06			11/00			
265.23	B 63 H	25/46	379	B 05 B	9/00			37/08		B 02 C	7/18			1/00			
265.25-265.35	B 05 B	12/00	380	B 05 B	1/34			1/14			9/00			5/02			
265.37	B 05 B	12/00	381	B 05 B	3/04			5/04			11/00			11/08			
	B 64 C	9/38			3/16			11/38	8	B 02 B	1/00			21/00			
265.39-265.43	B 05 B	12/00	382	B 05 B	3/16			14/48			3/12			23/20			
266-269	A 01 G	25/02	383,389	B 05 B	1/34	549	B 05 B	7/08			5/00			4/00			
	B 05 B	1/20	390-397	A 62 C	31/02	550-553	B 05 B	1/14		B 02 C	7/18			7/00			
270	A 62 B	18/00	397.5	B 05 B	15/00	553.3	B 0										

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 241—Con.														
80	B 02 C	13/00	101.7	B 03 B	19/00	150	B 02 C	15/00	201	B 02 C	23/00	261.1,261.2	B 02 C	7/04
		17/02		A 01 D	7/00			19/00			15/10			7/06
		23/12		B 02 B	55/00			1/00			17/08			13/20
		13/00		B 02 C	5/02			9/04	202	B 02 C	15/10	261.3	B 02 C	7/04
	B 07 B	7/00		B 02 C	9/04			15/00			17/08			13/20
81	B 07 C	13/00	102	B 03 B	19/00	151	B 02 C	19/00	203	B 02 C	23/02	262,263	B 02 C	1/00
	B 02 C	7/00		B 02 C	7/00			1/00			7/00			19/00
		17/02		B 02 C	17/20			9/04			13/00			21/00
		13/00	103-105	B 02 C	19/12			15/00			15/00			23/00
	B 07 B	17/02	106	B 02 C	15/00			15/10			17/00	264	B 02 C	17/14
	B 07 C	7/00		B 02 C	15/00			19/00	204	B 02 C	13/02	265	B 02 C	17/14
82	B 02 C	19/00	107	B 02 C	19/10	152	B 02 C	9/04			13/10	266	B 02 C	23/02
		21/00			9/04			15/00			15/10	267-269	B 02 C	1/08
		23/00			15/00			19/00			17/08		B 02 C	1/06
82.1	B 02 C	17/16			19/00	153,154	B 02 C	9/04	205	B 02 C	1/08			1/08
		23/02	108,109	B 02 C	9/04			13/00			15/10	270-273	B 02 C	1/08
82.2	A 47 J	17/14			15/00			15/00			17/08			15/00
	B 02 C	17/16			19/00			17/00	206	B 02 C	1/02	273.1	A 47 J	17/00
82.3	A 47 J	19/00			23/02			19/00			4/02			19/00
82.4-82.7	A 23 K	1/14	110-112	B 02 C	9/04	155	B 02 C	9/04			15/10	273.2	B 02 C	19/20
		3/00			15/00			15/00			17/08		B 02 C	11/04
	A 47 J	17/14			15/08			15/10	207-218	B 02 C	15/10			19/20
83	B 02 C	17/02			15/10			19/00			17/08			23/02
	B 07 B	13/00			19/00	156,157	B 02 C	9/04	219	B 02 C	13/16	273.3	A 47 J	17/00
84	B 02 C	17/00	113	B 02 C	1/08			15/00			15/10		B 02 C	19/20
84.1	B 02 C	17/00			9/04			19/00			17/08	273.4	A 47 J	19/00
		17/02			15/00	158-160	B 02 C	13/02	220	B 02 C	1/08		B 02 C	19/20
	B 07 B	13/00			19/00			15/00	221	B 02 C	1/08	274	B 02 C	7/00
84.2,84.3	A 47 J	19/00	114	B 02 C	9/04			15/00	222	B 02 C	1/08			7/12
	B 02 C	17/00			13/20			19/00			23/02			17/20
		17/02			15/00	161-163	B 02 C	9/04	223	B 02 C	1/08			19/12
	B 07 B	13/00			19/00			13/10			23/00	275,276	B 02 C	1/10
84.4-86	B 02 C	17/00	115-123	B 02 C	9/04			15/00	224,225	B 02 C	1/08			1/12
86.1,86.2	B 02 C	17/00			15/00	164	B 02 C	1/00			23/02			7/00
		17/02			19/00			9/04	226	B 02 C	1/08			7/12
	B 07 B	13/00	124	B 02 C	9/04			13/10			9/04			17/20
87	B 02 C	17/00			15/00			15/00			19/12			19/12
87.1	B 02 C	17/00			19/00			15/00			23/00			23/02
	B 07 B	13/00			23/02			19/00	227-229	B 02 C	1/08	277	B 02 C	1/08
88	B 02 C	17/00	125-134	B 02 C	9/04	165	B 02 C	1/00			15/00			7/00
88.1-88.3	B 02 C	17/00			15/00			9/04	230-233	B 02 C	1/08			7/12
		17/02			19/00			13/10			7/14			13/28
	B 07 B	13/00	135,136	B 02 C	9/04			15/00			13/00	278,279	B 02 C	17/20
88.4,89	B 02 C	17/00			15/00			15/10			15/00			1/08
89.1,89.2	B 02 C	17/02			19/00			19/00	234	B 02 C	1/08			7/00
	B 07 B	13/00			23/02	166,167	A 47 J	17/18			7/14			7/12
89.3	A 47 J	19/00	137	B 02 C	9/04	168,169	A 47 J	17/00			13/00			13/28
	B 02 C	17/02			15/00			43/00	235,236	B 02 C	1/08			15/06
	B 07 B	13/00			17/00	169.1	A 01 D	55/00			7/04			15/08
89.4	A 23 K	1/14			19/00		A 47 J	42/00			13/20			15/10
		3/00	138	B 02 C	9/04			43/00	237	B 02 C	1/08			17/20
	A 47 J	17/14			13/00	169.2	A 47 J	42/00	238-241	B 02 C	1/08	280	B 02 C	1/08
91-95	B 02 C	17/02			15/00			43/00			7/00			7/00
	B 07 B	13/00			19/00			25/00			7/14			7/12
96,97	B 02 C	23/00	139-141	B 02 C	9/04			27/00	242,243	B 02 C	1/08			13/28
98	B 02 C	17/16			15/00	170	B 02 C	17/00			7/00			17/20
99	B 02 C	19/12			19/00	171-174	B 02 C	17/00			7/04			23/02
100,100.5	B 02 B	7/02	142	B 02 C	9/04			23/02			7/14	281	B 02 C	1/08
	B 02 C	19/00			13/02	175	B 02 C	17/08			13/00			7/00
		23/00			15/00	176	B 02 C	17/00	244	B 02 C	7/12			7/12
101	B 02 B	5/02			15/10	177-184	B 02 C	17/14	245-249	B 02 C	23/02			13/28
	B 02 C	9/04			19/00	185	B 02 C	13/00	250,251	B 02 C	1/08			17/20
		19/00	143,144	B 02 C	9/04	186	B 02 C	13/00			15/10			23/00
	B 03 B	7/00			13/02			23/02	252	B 02 C	1/08	282	B 02 C	1/08
101.1	A 01 D	55/00			15/00	186.1	A 01 F	29/00			7/10			7/00
	B 02 C	19/00			19/00		B 02 C	13/00			15/10			7/12
	B 23 D	19/00	145	B 02 C	7/00			23/02	253	B 02 C	1/08			13/28
		45/00			7/14	186.2,186.3	B 02 C	13/00			7/00			17/20
101.2	B 02 B	5/02			9/04			23/02			7/08			23/02
	B 02 C	1/10			13/02	186.4	A 01 D	55/00			15/10	282.1	B 02 C	1/08
		9/04			15/00		B 02 C	13/00	254	B 02 C	7/10			4/06
		19/00			19/00			23/00			7/10			4/18
101.3	B 03 B	7/00	146	B 02 C	9/04			23/02			15/10			17/20
	B 02 B	5/02			13/10	187-190	B 02 C	7/00	257	B 02 C	7/00	282.2	A 47 J	17/00
	B 02 C	7/00			15/00	191	B 02 C	13/00			7/08		B 02 C	1/08
		9/04			19/00	192	B 02 C	7/14	258,259	B 02 C	7/00			4/06
101.4	A 01 F	29/00	147	B 02 C	1/00			13/00			7/08			9/02
	B 02 B	5/02			9/04	193-197	B 02 C	13/00			7/14			17/20
	B 02 C	19/00			15/00	198	B 02 C	19/08	259.1-259.3	B 02 C	7/00	283	B 02 C	1/00
	B 03 B	7/00			19/00	199	B 02 C	19/08			7/14			19/00
101.5	A 01 C	9/00	148	B 02 C	1/00	199.1	B 02 C	1/02			13/20			21/00
	B 02 B	5/02			9/04			19/08			23/00			23/00
	B 02 C	9/04			15/00	199.11-199.9	B 02 C	7/04	260	B 02 C	13/20	284	B 02 C	17/00
		19/00	149	B 02 C	1/00	200	B 02 C	11/02			3/06	285	B 01 L	9/00
101.6	B 02 B	5/02			9/00			19/00	260.1,261	B 02 B	19/22		B 02 C	23/00
	B 02 C	9/04			9/04			21/00		B 02 C			B 24 B	41/00

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 241—Con.			18.1	B 65 H	54/38	63	B 65 H	75/22	130-130.4	B 65 H	49/02	3.23	F 42 B	10/00
			19	B 65 H	54/71	64	B 65 H	75/34		D 03 J	5/08			10/06
	F 16 M				75/32	65.66	B 65 H	18/16	131-132	B 65 H	49/02	3.24-3.26	F 42 B	10/00
286-290	F 16 S	9/00	20	B 65 H	54/00			20/02		D 02 H	1/00			15/01
	B 01 L	7/00	21	B 65 H	75/32			16/10	134-140	B 65 H	49/18	3.27-3.3	F 42 B	10/00
	B 02 C	7/14	22	B 65 H	63/00	67	B 65 H	18/22	141,146	B 65 H	49/36			10/14
		23/00	23-26	B 65 H	54/00			16/02	147	B 65 H	18/26			10/48
		41/00	26.1	B 65 H	1/02	67.1-68.6	B 65 H	16/10			59/00	4	B 64 C	15/01
	B 24 B		26.2-26.4	B 65 H	54/28			18/02	148	B 65 H	59/40	5	B 64 B	1/20
	F 16 M		26.41-26.44	B 65 H	54/34			18/08			63/00		B 64 C	1/00
	F 16 S		26.45,26.5	B 65 H	54/28			18/10	149-152.1	B 65 H	59/22			17/00
291	B 02 C	1/10	27,27.1	B 65 H	54/34			20/36	153,154	B 65 H	59/12	6-8	B 64 C	27/22
		7/00	28	B 65 H	63/00			16/10	155	B 65 H	59/18	9,10	B 64 C	27/22
		7/12	29	B 65 H	63/02	68.7	B 65 H	18/20	156,156.1	B 65 H	59/16			39/00
		13/28	30	B 65 H	63/04			18/22	156.2	B 65 H	59/38	11	B 64 C	33/00
		17/20	31	B 65 H	54/28			1/04	157,157.1	B 65 H	57/00	12.1,12.2	B 64 C	15/00
292	B 02 C	1/10	32	B 65 H	54/34	71-71.2	G 03 B	1/06	158-158.5	B 65 H	57/28			29/00
		19/00	34	D 01 H	1/36	71.3	G 03 B	1/04	159-173	B 65 H	18/28	12.3	B 64 C	15/02
		23/00	35	B 65 H	49/26	71.4,71.5	G 03 B	1/04			51/015	12.4	B 64 C	29/00
292.1	A 01 D	55/00	35.5	B 65 H	54/02	71.6	G 03 B	17/26			55/00			15/12
	B 02 C	11/04	35.6	B 65 H	69/04	71.7	G 03 B	75/18	174-178	B 65 H	55/04	12.5	B 64 C	29/00
		23/02	36	B 65 H	63/00	71.8-73.5	B 65 H	75/28	179-181	G 03 B	1/04	12.6	B 64 C	29/00
293-295	B 02 C	1/10	37,38	B 65 H	63/02	74-74.2	B 65 H	77/00	182	G 11 B	15/32			29/00
		7/12	39,40	B 65 H	63/04	75	B 65 H	23/08		G 11 B	15/58			1/00
		13/28	41	B 65 H	67/02	75.1	B 65 H	23/10	183-185	G 11 B	23/12	13	B 64 C	3/00
		15/16	42	B 65 H	54/00	75.2	B 65 H	23/16			15/06			5/00
		17/20	43,43.1	B 65 H	54/28	75.3	B 65 H	23/06			23/12			7/00
		23/00	43.2,45	B 65 H	59/00	75.4	B 65 H	23/08	186,187	B 65 H	59/38	14	F 42 B	17/00
296	B 02 C	1/10	46	B 65 H	67/04	75.41,75.42	B 65 H	23/06		G 03 B	1/04	15	B 64 C	15/00
		7/00		D 01 H	9/00	75.43-75.45	B 65 H	23/16		G 11 B	15/32	16	B 64 C	31/02
		7/12	46.2-46.8	B 65 H	75/30	75.46	B 65 H	23/18	188	B 65 H	59/38		F 42 B	10/00
		13/28			79/00	75.47	B 65 H	59/00		G 03 B	1/04	17.11	B 64 C	27/00
297,298	B 02 C	1/10		D 01 H	3/16	75.5-75.53	B 65 H	27/00	189,190	G 11 B	15/06	17.13	B 64 C	11/34
		7/12	47-47.03	B 65 H	51/00	76	B 65 H	75/02		B 65 H	59/38			11/40
		13/28	47.04-47.07	B 65 H	51/24	77,77.1	B 65 H	75/20		G 03 B	1/04			27/54
		17/20	47.08-47.11	B 65 H	51/08	77.2	B 65 H	75/18		G 11 B	15/32	17.15,17.17	B 64 C	25/00
		17/20	47.12-47.5	B 65 H	51/20	77.3,77.4	B 65 H	47/00	191	B 65 H	59/38	17.19,17.21	B 64 C	27/00
299	B 02 C	1/10	48	B 65 H	75/32	78	B 21 C	47/02		G 03 B	1/02			27/82
		7/00	49	B 65 H	63/00	78.1	B 21 C	47/24	192-196	G 03 B	1/04	17.23	B 64 C	27/08
		7/12	50	B 65 H	54/68	78.3	B 21 C	47/00		G 11 B	15/32	17.25	B 64 C	27/52
		13/28	51,52	B 65 H	54/00	78.6-78.8	B 21 C	47/34	197-200	G 03 B	1/04	17.27	B 64 C	27/00
		15/06	53	B 65 H	54/56	79	B 21 C	89/00		G 11 B	15/32	19-21	B 64 C	27/00
		15/08	54	B 65 H	75/00	80-83	B 21 C	89/015			23/04			39/00
		15/10	54.1	G 11 B	15/32	84	B 21 C	89/02	201-209	B 65 H	16/10	22	B 64 C	33/00
		17/20	54.4	B 65 H	75/16	84.1-84.3	A 01 K	89/015		G 03 B	1/04	23	B 64 C	29/00
300	B 02 C	1/10		D 01 H	13/04	84.4-84.43	A 01 K	89/015		G 11 B	15/32	24	B 64 B	1/20
		7/04		B 65 H	16/00	84.5-84.53	A 01 K	89/02			15/04	25	B 64 B	1/34
		7/12	55	B 65 H	18/00	84.8	B 65 H	75/16			15/32	26	B 64 B	1/06
		13/28			20/00	85	B 65 H	18/00	210	B 65 H	75/34	27-29	B 64 B	1/02
		17/20			75/02			75/40		G 03 B	1/04	30		1/06
		17/22			18/00	85.1	B 65 H	75/36		G 11 B	15/32	31	B 64 B	1/40
		19/22	55.01	B 65 H	18/00	85.1	B 65 H	75/36			15/04			1/58
300.1	B 02 C	1/10			20/00	86,86.1	B 65 H	75/40	211-213	A 01 K	89/00	32	F 41 J	9/08
		4/18	55.1	B 65 H	16/00	86.2-86.4	B 65 H	16/00		A 01 K	89/02	33	B 64 B	1/48
		13/28			20/00	86.5	B 65 H	75/40		A 01 K	89/02	34	B 64 C	1/50
		18/04			75/02			75/42		A 01 K	89/02			3/00
301	B 02 C		55.16	B 65 H	75/02	86.51	B 65 H	75/42			89/00			5/00
			55.17-55.21	B 65 H	16/00	86.52	B 65 H	16/00			75/06			39/06
					18/00			75/40	U.S. Class 244			35	B 64 C	3/00
					15/00			75/40	AERONAUTICS			36	B 64 C	1/00
U.S. Class 242			55.3,55.42	G 11 B	16/02	86.6-96	B 65 H	75/40		B 64 C	37/02	37	B 64 C	3/18
WINDING AND REELING			55.53-55.55	B 65 H	19/00	99	B 65 H	23/06		B 64 C	5/00	38	B 64 C	1/26
			56	B 65 H	19/20	100,100.1	B 65 H	75/38		B 64 D	3/00	39	B 64 C	27/00
					54/71	100.2	B 65 H	75/48		F 41 J	9/10	45	B 64 C	3/38
1	B 65 H				39/16	103	B 27 F	7/02		F 41 G	7/00			39/12
1.1	B 65 H	81/06	56.1	B 65 H	35/02			7/17			9/00	46-48	B 64 C	3/38
2.3	B 65 H	54/64	56.2-56.4	B 65 H	54/88	104	B 65 H	75/38	1	B 64 C	10/00	49	B 64 C	3/56
4-6	B 65 H	81/02			35/02	105	B 25 B	25/00	2	B 64 C	15/01	50	B 64 C	25/50
7.01,7.02	B 21 F	17/00	56.5	B 65 H	35/04	106	B 65 H	75/48	3	B 64 D	15/10	51	B 64 C	27/82
		45/00	56.6	B 65 H	35/02	107-107.7	B 65 H	75/24	3.1	F 41 J	15/22	52	B 64 B	1/36
	B 65 H	81/00	56.7,56.8	B 65 H	16/02	110-110.3	B 65 H	75/22		F 41 G	7/00	53	B 64 C	15/00
7.03	H 01 B	11/04	56.9	B 65 H	16/00	115,116	B 65 H	75/18			7/20			27/00
		11/08	57,57.1	B 65 H	18/00	117	B 65 H	75/02			15/04			31/00
		13/00			15/18	118	B 65 H	75/20			7/00			35/00
	H 02 K	15/04			19/00	118.1-118.2	B 65 H	75/10	3.11	F 41 G	7/00			27/00
7.04,7.05	H 02 K	15/04	58	B 65 H	19/18	118.3-118.32	B 65 H	75/12	3.12	F 41 G	7/00			29/00
7.06	H 01 B	13/00	58.1	B 65 H	19/12			75/14			7/00			31/00
7.07-7.16	H 01 B	13/00	58.2	B 65 H	19/14	118.4-118.8	B 65 H	49/30			15/04			35/00
7.17,7.18	H 01 B	13/00	58.3	B 65 H	19/16	125-125.3	B 65 H	49/00	3.13,3.14	F 41 G	7/00			27/00
7.19-7.22	B 21 F	17/00	58.4	B 65 H	19/22	127	B 65 H	49/00	3.15-3.22	F 41 G	7/00			27/00
		45/00	58.5	B 65 H	19/26	128,129	B 65 H	49/00		F 42 B	15/01	54,55	B 64 D	27/00
	B 65 H	81/00			19/30	129,1-129.4	D 05 B	49/00			15/50	56	B 64 D	27/00
7.23	B 21 C		58.6	B 65 H	75/00	129.5	B 65 H	7/16						
	B 65 H	81/00	59	B 65 H	75/02			49/00						
16,17	B 65 H	54/02	60	B 65 H	75/06	129.51-129.8	B 65 H	54/553						
18	B 65 H	54/00	61	B 65 H	75/02									
		67/044	62	B 65 H	75/02									

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U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 244—Con.						U.S. Class 245						U.S. Class 246					
WIRE FABRICS AND STRUCTURE						RAILWAY SWITCHES AND SIGNALS						RAILWAY SWITCHES AND SIGNALS					
57	B 64 D	29/00	119,120	B 64 C	1/00	165	B 64 G	1/28	1	B 21 F	27/00	261	B 61 L	11/06	259	B 61 L	11/06
58	B 64 D	33/10	121	B 64 C	1/10	166	B 64 G	1/32	1.5	B 60 C	15/04	262	B 61 L	5/04	260	B 61 L	5/04
59	B 64 D	41/00	122	B 64 D	7/00	167	B 64 G	1/34	2	B 21 F	27/00			7/04			7/04
60	B 64 D	27/00			11/06	168	B 64 G	1/36	3	B 21 F	27/08			11/06			11/06
61	B 64 B	35/00			25/02	169	B 64 G	1/26	4	B 21 F	31/00			3/04			3/04
	B 64 B	1/24			25/11		F 02 K	1/00	5-8	B 21 F	27/00			5/02			5/02
	B 64 C	37/00			25/112			3/00	9	B 21 F	27/08			7/02			7/02
62	B 64 C	27/00			25/115			5/00	10	B 21 F	27/00	263	B 61 L	13/02			13/02
		39/00			25/118			7/00	11	B 21 F	29/02			3/08			3/08
63	B 64 F	1/04	123,124	B 64 C	1/00			9/00						5/06			5/06
64	B 64 C	31/04			3/00			11/00						7/00			7/00
65	B 64 C	11/00			5/00		F 03 H	1/00						11/08			11/08
66	B 64 C	27/52	125	B 64 B	1/02			3/00						13/04			13/04
67	B 64 C	27/00			1/06			5/00						11/00			11/00
68	B 64 C	11/00	126	B 64 B	1/14	170	B 64 G	1/38						11/08			11/08
		27/46	127	B 64 B	1/22	171	B 64 G	1/36						11/02			11/02
69	B 64 C	11/46			1/24	172	B 64 G	1/40						1/00			1/00
		27/08	128	B 64 B	1/58			1/42	1	B 61 L	27/00			11/00			11/00
70,71	B 64 C	39/00	129.1	B 64 C	1/00			1/40	2-5	B 61 L	27/00			13/00			13/00
72	B 64 C	33/02	129.2	B 64 D	45/00		F 02 K	1/00	6	B 61 L	15/00	271	B 61 L	1/00			1/00
73,74	B 64 B	1/36	129.3-129.5	B 64 C	1/14			3/00	7	B 61 L	27/00			11/06			11/06
	B 64 C	15/00	129.6	B 64 C	1/24			5/00		H 04 L				13/00			13/00
75	B 64 C	5/00	130	B 64 C	1/38			7/00		H 04 M				29/18			29/18
		9/00	131	B 64 C	1/06			9/00	8	B 61 L	1/08	272	B 61 L	29/18			29/18
		13/00	132	B 64 C	1/12			11/00									

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U.S. Class			IPC			U.S. Class			IPC			U.S. Class			IPC			U.S. Class			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 249—Con.																							
111	B 22 D	15/00	201	H 01 J	40/00	329	G 03 B	21/00	390.07-390.1	G 01 T	3/00	526	G 01 J										
112	B 28 B	7/36	202	G 01 J	1/20	330	G 02 F	1/01	390.11	G 01 T	3/06		G 01 M										
	B 41 B	11/54	203	G 05 B	1/00		H 01 L	31/00	390.12	G 01 T	3/00		G 01 T										
113	B 28 B	7/36	204	G 01 J	1/36	331	G 02 F	1/13	391.392	G 01 J	1/42	548	G 01 N	21/86									
114.1,115	B 28 B	7/36	205	G 01 J	1/32	332	H 01 L	25/00	393-395	G 01 T	1/00		G 01 V	9/04									
	B 29 C	33/56	206	G 01 J	7/36	333	H 01 J	31/49		G 21 K	1/08	549	G 01 J	1/20									
116	B 28 B	7/36		H 01 J	40/14	334	G 02 B	26/10	396	H 01 J	3/14		H 01 J	31/26									
	B 29 C	33/44	207-212	H 01 J	40/14	335	G 01 T	5/04			3/26	550	G 02 B	27/42									
117	A 01 J	25/13	213	H 01 J	40/14	336.1	G 01 J	1/00	397-400	G 01 K	1/08	551	G 02 B	27/00									
	B 22 C	9/06	214,215	H 01 J	40/14	336.2	H 01 L	27/18		H 01 J	3/14	554	G 01 J										
	B 28 B	7/00	216	H 01 J	3/14			39/00	423-427	H 01 J	27/00	555	G 06 K	7/10									
	B 28 C	1/04			5/16	337	G 01 T	1/11	428-438	G 01 N	21/01	556	G 06 K	5/00									
	B 29 C	33/00	221	G 01 V	9/04	338.1	G 01 J	5/00			21/51	557	G 06 K	7/015									
	B 41 B	9/08		G 06 M	7/00	338.2	H 01 L	37/00			23/10			15/00									
	B 41 D	3/00		H 01 J	40/14	338.3	G 01 J	5/00			23/12	558	G 01 C	11/12									
118	B 41 B	11/56	222.1,222.2	G 01 V	9/04	338.4	G 01 J	5/20	440.1,441.1	G 01 F	23/00	559-561	G 01 N	21/86									
119	B 22 C	9/20		H 01 J	40/14		H 01 L	27/14		G 21 K	5/08		G 01 V	9/04									
	B 28 B	7/24	223,224	G 01 N	9/04	338.5	G 01 N	21/00			5/10	562,563	G 01 N	21/88									
	B 41 B	11/68		G 06 M	7/00	339-353	G 01 J			H 01 J	37/20	564,565	G 01 N	21/00									
120-125	B 28 B	7/24		H 01 J	40/14	354.1	G 01 J	1/42	442.1	G 21 K	5/10	566-570	G 06 K	7/10									
		7/26	225	G 02 F	1/01		G 01 T	1/00	443.1	G 01 N	21/00	571	G 01 N	21/86									
126	B 28 B	7/24		H 01 J	40/14	356.1,356.2	G 01 F	1/00		G 21 K	23/00	572	G 01 V	9/04									
		7/26	226	G 01 J	3/50		G 01 N	21/00			5/08	573-577	G 01 N	21/88									
	B 41 D	3/06		H 01 J	5/16			21/33			5/10			15/06									
127-133	A 23 G	9/00	227	H 01 J	40/14	357.1-360.1	G 01 F	21/35		H 01 J	37/20			21/49									
	B 28 B	7/06			5/16	361-363.01	G 01 T	23/00	453.1,454.1	G 01 N	21/00	578	H 01 J	40/14									
	F 25 C	1/24		G 01 J	1/00	363.02	G 01 T	1/20	455.1	G 01 N	23/00												
134,135	B 28 B	7/34	228	G 01 D	5/34		G 01 T	1/161		H 01 J	37/20												
136	B 28 B	7/10	229	H 01 J	1/56	363.03	G 01 T	1/164	458.1,459.1	F 21 V	9/16												
137	B 28 B	7/08		G 01 D	5/30	363.04,363.05	G 01 T	1/166		G 01 J	1/58												
	B 41 B	11/66	230	G 01 D	5/34	363.06-363.09	G 01 T	1/161		G 01 T	1/10												
138	B 41 B	9/10	231	G 01 D	5/36			1/164		G 21 H	3/02												
139	B 29 C	33/22	232,233	G 01 D	5/36			1/02		G 21 K	5/00												
140,141	B 29 C	33/46	234-237	H 01 J	3/14	363.1	G 21 K	1/20		H 01 J	65/06												
142	B 28 B	7/16			5/16	364-369	G 01 T		461.1,461.2	G 01 N	21/64	1.1-1.3	E 21 B	33/06									
143	B 29 C	33/46		H 01 J	40/14	370.01-370.04	G 01 J		462.1-467.1	F 21 K	2/00	3	B 23 Q	35/18									
144	B 22 C	9/24	238	H 01 J	7/24		G 01 T	1/24	472.1,473.1	G 01 T	1/04	4-10	F 16 K	7/04									
	B 41 D	3/08			40/14	370.05	G 01 J	3/08			1/06	11	F 16 K	31/00									
145-153	B 22 C	9/24	239	H 01 J	5/02	370.06	G 01 J			G 03 G	5/00	12	F 16 K	31/12									
154	B 41 D	3/04			40/14	370.07	G 01 T	1/24	474.1	G 01 N	21/00	14	F 16 K	31/00									
155-157	B 28 B	7/02	250	G 01 R	23/02		G 01 J				5/10			31/12									
	B 41 B	11/60	251	H 01 S	1/00	370.08-370.1	G 01 J	1/02	475.2	G 03 B	42/00	15-23	F 16 K	21/04									
158	B 28 B	7/02			3/00		G 01 T			G 03 C	5/16	24-60	F 16 K	31/12									
	B 41 B	11/68	252.1	H 05 H	3/02	370.11-370.15	G 01 T	1/24	482.1	G 03 B	11/00	61-61.5	F 16 K	31/145									
159	B 28 B	7/04		G 01 D	18/00		H 01 L	25/00	483.1	G 01 J	1/58			31/165									
	B 41 B	11/68	253-270	G 01 V	5/00			27/00		G 01 N	21/64			31/365									
160	B 41 B	11/54	271	G 06 K	7/10	371	G 01 T	1/24	484.1	G 01 T	1/00	62	F 16 K	31/385									
161,162	B 41 B	11/56	281-285	B 01 D	59/44	372,373	G 01 J	1/42	485.1-488.1	H 05 B	33/00			31/143									
163-167	B 41 B	11/60		H 01 J	49/00	374-381	G 01 T	1/18		G 01 J	1/58			31/165									
168,169	B 41 B	11/58	286	B 01 D	59/44		H 01 J	47/02		G 01 N	21/64			31/363									
170-173	B 41 B	11/54		H 01 J	49/40			47/06	489	G 01 T	1/00	63	F 16 K	31/143									
174	B 22 D	7/06	287-289	B 01 D	59/44			47/08		H 01 J	49/26			31/363									
175-177	B 28 B	7/28		B 01 D	59/44	382	G 01 T	1/18	491.1	G 01 J	1/00			31/383									
178-182	B 28 B	7/30	290	B 01 D	59/44			1/185		G 01 N	21/00			31/143									
183	B 29 C	33/76	291-293	H 01 J	49/00			47/06			23/00	63.4-63.6	F 16 K	31/163									
184-186	B 28 B	7/28		B 01 D	59/44	383,384	G 01 T	1/18	492.1-492.3	A 61 N	5/00			31/363									
187.1	B 29 C	33/00	294	H 01 J	49/28		H 01 J	47/02		G 21 G	5/00			31/383									
188-196	E 04 G	9/00	295-297	B 01 D	59/44			47/08	493.1	G 21 G	4/00	64	F 16 K	31/00									
197-202	B 22 D	7/10		H 01 J	49/00			47/00	494.1	G 01 J	1/00	65	F 16 K	31/08									
203	A 23 G	9/00	298	B 01 D	59/44	385.1	G 01 T	47/00	495.1	G 01 J	1/00	66-83	F 16 K	31/44									
204	B 22 D	7/10		H 01 J	49/30		H 01 J	47/02	496.1-498.1	G 21 F	5/02	84-88	F 16 K	25/00									
		41/14	299,300	B 01 D	59/44			47/06		G 01 J	1/00	89-116	F 16 K	35/00									
		41/16		H 01 J	49/00			47/08	504	G 01 J	5/00	117	F 16 K	51/00									
		41/22	301	G 01 T	1/167			47/02	505.1	G 02 B	1/00	118-127	F 16 K	47/00									
205	B 28 B	7/40			1/169	385.2	G 01 T	47/06		G 21 K	1/52	128	F 16 K	31/00									
		7/44	302	G 01 T	1/161		H 01 J	47/08		H 01 J	3/00	129.01-129.22	F 16 K	31/02									
	E 04 G	17/00	303	G 01 T	1/161			47/10			5/18	142-147	F 16 K	51/00									
206	B 22 D	7/12		G 21 H	5/02			47/14	506.1,507.1	G 21 F	5/00	148	F 16 K	51/00									
		35/04	304	G 01 N	31/00			47/02	515.1	G 21 C	11/00	149-149.7	F 16 K	51/00									
	B 41 B	11/84	305	H 01 J	40/00	386-388	G 01 T	47/06		G 21 F	3/00			37/28									
207-212	E 04 G	17/00																					

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 251—Con.					125/12			125/26			107/22			119/10
		125/24	26		C 10 M			103/00			107/26			119/12
153-156	F 16 K	51/00			129/26			103/04			107/46			119/16
157-204	F 16 K	25/00			129/92			113/00			115/04			119/20
205-207	F 16 K				141/02			113/06			115/10			129/00
208,209	F 16 K	5/10			145/00			113/16			115/12			129/26
210,211	F 16 K		19	C 10 M	101/02			125/00			117/00			129/86
212	F 16 K	3/00			103/00			125/04			119/04			129/92
213-280	F 16 K	31/44			103/04			125/08			119/10			141/02
281-283	F 16 K	39/00			105/22			125/10			119/12			145/00
284-288	F 16 K	51/00			107/22			125/12			119/16	34,34.7	C 10 M	105/08
289-297	F 16 K	31/00			113/00	27	C 10 M	103/00			119/20			105/22
298-303	F 16 K	1/16			113/06			103/02			119/26			105/56
304	F 16 K	5/00			113/16			113/00			119/28			107/14
305-308	F 16 K	1/22			115/04			113/02			125/22			107/22
309-317	F 16 K	5/00			117/00			113/16			125/24			107/26
318-325	F 16 K	1/00			119/10			125/00			129/00			107/40
		15/00			119/12			125/02			129/26			115/04
326-329	F 16 K	3/00			119/16			125/08			129/86			115/08
330-334	F 16 K	1/00			125/00			125/10			129/92			117/00
		15/00			125/04			125/12			135/00			119/04
335.1-335.3	F 16 K	31/00			125/08			125/22			137/00			119/10
336-338	F 16 K				125/10	28	C 10 M	103/00			141/02			119/12
339-355	F 16 K	31/00			125/12			103/02			141/08			119/16
356-904	F 16 K				129/26			113/00	33,33.2	C 10 M	105/08			119/20
					129/92			113/02			105/22			119/24
					141/02			113/10			105/72			125/20
					145/00			113/12			107/22			129/00
U.S. Class 252			20	C 10 M	103/00			113/14			107/26			129/26
COMPOSITIONS					105/22			113/16			107/46			129/86
					107/22			125/00			107/48			129/92
1	C 09 K				113/00			125/02			115/04			133/00
2-8.05	A 62 C				113/16			125/08			115/10			141/02
	A 62 D	1/00			115/04			125/10			117/00			141/06
8.3	C 09 K	3/00			117/00			125/12			119/04			143/12
	E 21 B	43/28			119/10			125/26			119/12			145/00
8.51-8.516	C 09 K	7/00			119/12			125/28			119/16			149/00
8.551-8.555	C 09 K	3/00			119/16			125/30			119/20			157/04
	E 21 B				125/00	29,30	C 10 M	103/00			119/26			159/10
8.57	C 14 C	9/00			125/08			103/02			125/22	35-37	C 10 M	105/08
8.6-8.9	D 06 M				125/10			113/00			129/00			105/22
9	C 10 M				125/12			113/02			129/26			107/22
		105/76			125/26			113/16			129/86			107/26
		105/78			129/26			125/00			129/92			115/04
		105/80			129/92			125/02			135/00			117/00
		107/50			141/02			125/08			141/02			119/04
		107/52			145/00			125/10			141/08			119/10
		107/54			103/00	21-24	C 10 M	125/12			145/00			119/12
		119/30			105/22			103/00	31	C 10 M	151/00			119/16
		125/24			107/22			113/00			157/06			119/20
		125/26			113/00			113/04	33,33.3,34	C 10 M	105/08			129/00
		139/00			113/02			113/16			105/22			129/26
		141/12			113/04			125/00			105/72			129/86
		155/00			113/10			125/06			107/14			129/92
		157/10			113/12			125/08			107/22			141/02
10,11	C 10 M				113/14			125/10			107/26	37.2	C 10 M	105/08
12-12.6	C 10 M				113/16			125/12			107/46			105/22
	F 16 C	69/00			115/04			125/22			107/48			105/22
	F 16 D				117/00	32,32.5	C 10 M	105/08			115/04			107/14
13-16	C 10 M				119/10			105/22			115/10			107/22
17	C 10 M				119/12			105/74			117/00			107/26
		105/22			115/04			107/22			119/04			115/04
		107/22			125/00			107/26			119/10			117/00
		117/00			125/02			115/04			119/12			119/04
		119/10			125/06			115/12			119/16			119/10
		119/12			125/08			117/00			119/20			119/12
		119/16			125/10			119/04			119/26			119/16
		129/26			125/12			119/10			125/22			119/20
		129/92			125/22			119/12			129/00			129/00
		141/02			125/24			119/16			129/26			129/26
		145/00			125/28			119/20			129/86			129/86
18	C 10 M	101/02			125/30			119/28			129/92			129/92
		103/00			129/26			125/24			135/00			141/02
		103/06			129/92			129/00			141/02			143/12
		105/22			141/02			129/26			141/08			145/00
		107/22			145/00			129/86			143/12			159/10
		113/00			103/00	25	C 10 M	129/92			145/00	37.5-40	C 10 M	105/08
		113/08			103/06			137/00			151/00			105/22
		113/16			113/00			141/02			157/06			107/22
		115/04			113/08			145/00	33.6	C 10 M	105/08			107/26
		117/00			113/16			153/00			105/22			115/04
		119/10			125/00			157/08			107/22			117/00
		119/12			125/08	32.7	C 10 M	105/08			107/26			119/04
		119/16			125/10			105/22			115/04			119/10
		125/00			125/12			105/72			117/00			119/12
		125/08			125/24			105/74			119/04			119/14

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 252—Con.					105/80			157/04			119/12			125/24
		107/46			107/46	47.5	C 10 M	105/08			119/14			125/26
		107/50			107/50			105/56			119/16			137/00
		119/16			107/52			105/72			119/20			139/00
		119/20			107/54			105/76			119/26			141/12
		129/00			115/10			105/78			129/00			153/00
		129/26			119/26			105/80			129/26			155/00
		129/86			119/30			107/40			129/68			157/08
		129/92			125/00			107/46			129/86			157/10
		141/02			125/24			107/50			129/92	49.9	C 10 M	103/00
40.5	C 10 M	145/00			125/26			107/52			129/95			105/50
		105/08			135/00			107/54			135/00			105/56
		105/22			139/00			115/08			141/08			105/74
		107/14			141/08			115/10			145/06			105/76
		107/22			141/12			117/00			145/10			105/78
		107/26			151/00			119/14			145/18			105/80
		115/04			155/00			119/20			151/00			107/38
		117/00			157/06			119/24			157/06			107/40
		119/00			157/10			119/26			159/06			107/48
		129/00			105/72	46.4	C 10 M	119/30	48.8	C 10 M	105/08			107/50
		141/02			107/46			125/20			105/50			107/52
		143/12			115/10			125/24			105/72			107/54
40.7	C 10 M	145/00			119/26			125/26			107/38			113/00
		105/08			125/00			129/00			115/06			115/08
		105/22			125/24			129/86			115/10			115/12
		107/22			135/00			133/00			119/04			119/22
		107/26			141/08			135/00			119/14			119/24
		115/04			151/00			139/00			119/20			119/28
		117/00			157/06			141/06			119/22			119/30
		119/00			105/72			141/08			119/26			125/00
		129/00	46.6	C 10 M	105/74			105/08			125/18			125/18
		141/02			107/46	48.2	C 10 M	105/72			129/00			125/20
		145/00			107/48			107/46			129/86			125/24
41.42	C 10 M	105/08			115/10			115/10			131/00			125/26
		105/22			119/26			117/00			135/00			131/00
		107/22			119/28			119/04			141/04			133/00
		107/26			125/00			119/14			141/08			137/00
		115/04			125/24			119/20			145/18			139/00
		117/00			135/00			119/26			145/40	50	C 10 M	105/56
		119/00			137/00			129/00			147/00			107/40
		129/00			141/10			129/86			151/00			115/08
42.1,42.4	C 10 M	141/02			151/00			135/00			157/02			119/24
		145/00			153/00			141/08			157/06			125/20
		105/08			157/06			145/18	49	C 10 M	103/00			133/00
		105/22			157/08			151/00			113/00			141/06
		107/14			103/00			157/06			113/16			149/00
		107/22	46.7	C 10 M	105/56	48.4	C 10 M	105/08			125/00			157/04
		107/26			105/72			105/50	49.3,49.5	C 10 M	103/00	51	C 10 M	105/50
		115/04			105/74			105/72			113/00			105/56
		117/00			107/40			105/76			113/16			107/38
		119/00			107/46			105/78			125/00			107/40
		129/00			107/48			105/80			125/14			115/06
		141/02			113/00			107/38			173/00			115/08
		143/12			113/16			107/46	49.6,49.7	C 10 M	103/00			117/00
		145/00			115/08			107/50			105/76			119/22
42.7	C 10 M	159/10			115/10			107/52			105/78			119/24
		105/08			115/12			107/54			105/80			125/18
		105/22			119/24			115/06			107/50			125/20
		107/46			119/26			115/10			107/52			125/24
		107/50			119/28			119/04			107/54			133/00
		119/04			125/00			119/14			113/00			141/04
		119/14			125/20			119/20			113/16			141/06
		119/20			125/24			119/22			119/30			147/00
		119/26			133/00			119/26			125/00			149/00
		125/22			135/00			119/30			125/24			157/02
		129/00			137/00			125/18			125/26			157/04
		129/86			141/06			125/24			139/00	51.5	C 10 M	105/08
		135/00			149/00			125/26			141/12			105/56
		141/08			151/00			129/00			155/00			107/40
		145/18			153/00			129/86			157/10			115/08
		145/40			157/04			131/00	49.8	C 10 M	103/00			117/00
43	C 10 M	157/06			157/06			135/00			105/74			119/04
		107/14			157/08			139/00			105/76			119/14
		143/12	47	C 10 M	105/72			141/04			105/78			119/20
		159/10			107/46			141/08			105/80			119/24
45	C 10 M	105/72			115/10			141/12			107/48			125/20
		107/46			119/24	48.6	C 10 M	105/08			107/50			129/00
		115/10			119/26			105/22			107/52			129/86
		119/26			125/20			105/32			107/54			133/00
		135/00			133/00			105/72			113/00			141/06
		141/08			135/00			107/46			113/16			145/18
		151/00			141/06			115/10			115/12			145/40
46.3	C 10 M	157/06			141/08			117/00			119/28			149/00
		105/72			149/00			119/04			119/30			157/04
		105/76			151/00			119/10			125/00			159/06

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 252—Con.														
52	C 10 M	159/08			107/32			D 06 L	3/00					9/00
		105/08			115/04	100,101		C 11 D	7/54		C 01 B		C 01 B	15/01
		107/22			117/00			D 06 L	3/00				C 09 K	3/00
		107/30			119/10	102		A 62 D	5/00		C 02 F	1/72	A 01 N	
		107/34			119/12			C 11 D	7/54				A 62 D	3/00
		107/36			119/16	103-105		D 06 L	3/00				C 01 B	9/00
		115/04			129/26			C 11 D	7/54		C 09 K	3/00	C 01 B	15/00
		119/04			129/68	106		D 06 L	3/00	186.2,186.21	A 01 N		C 09 K	3/00
		119/14			129/92	107		C 11 D	3/48		A 62 D	3/00	A 01 N	
		119/18			129/95	108		C 11 D	9/50				A 62 D	9/00
		119/20			141/02			C 11 D	9/00		C 01 B	7/00	C 09 K	3/00
		129/00			145/00				15/00				A 01 N	
		129/86			145/06	109		C 11 D	9/10				A 62 D	3/00
		141/02			145/10				15/04		C 09 K	3/00	C 01 B	7/00
		145/00			145/22	110-113		C 11 D	9/30	186.22,186.23	A 01 N		C 09 K	11/00
		145/18			145/38				15/04		A 62 D	3/00	A 62 D	3/00
		105/08			159/06	114,115		C 11 D	9/00				C 09 K	3/00
		105/54			159/08				15/04		C 01 B	15/00	A 62 D	3/00
		107/22			105/52	116		C 11 D	9/18	186.24	C 09 K	3/00	C 01 B	11/02
		107/30			107/38				15/04		A 01 N		C 09 K	3/00
		107/38			115/06	117-120		C 11 D	9/30		A 62 D	3/00	A 01 N	
		115/04			125/18				15/04				A 62 D	3/00
		115/06			131/02	121		C 11 D	9/32		C 01 B	13/00	A 01 N	
		119/04			141/04				15/04		C 09 K	3/00	A 62 D	9/00
		119/14			147/02	122-127		C 11 D	9/00	186.25	A 01 N		C 01 B	7/01
		119/20			3/00				15/04		A 62 D	3/00	C 09 K	3/00
		125/18				128-130		C 11 D	9/18				A 01 N	
		129/00							15/04		C 01 B	11/00	A 62 D	3/00
		129/86				131		C 11 D	9/20				C 01 B	11/10
		131/08				132		C 11 D	9/22				A 01 N	
		141/02							15/04	186.26,186.27	C 09 K	3/00	A 62 D	3/00
		141/04				133		C 11 D	9/06		A 01 N		C 01 B	11/06
		145/00				134		C 11 D	17/00		A 62 D	9/00	C 09 K	3/00
		145/18				135		C 11 D	3/04		C 01 B	15/00	A 01 N	
		147/04							7/00		C 09 K	3/00	A 62 D	3/00
		105/08							11/00	186.28,186.29	A 01 N		C 01 B	9/00
		105/22				136		C 11 D	3/04		A 62 D	3/00	C 01 B	11/14
		105/54							7/08				C 09 K	3/00
		107/22				139		C 11 D	3/00		C 01 B	15/01	A 01 N	
		107/30							7/10				A 62 D	3/00
		107/38				140		C 11 D	3/12		C 09 K	15/037	C 01 B	3/00
		115/04							7/10	186.3,186.31	A 01 N		C 09 K	9/00
		115/06				141		C 11 D	7/02		A 62 D	3/00	C 01 B	11/04
		117/00				142		C 11 D	7/08				C 09 K	3/00
		119/04							1/02		C 01 B	15/00	A 01 N	
		119/10				143,144		C 11 D	7/08				A 62 D	3/00
		119/12							7/50		C 09 K	3/00	C 01 B	9/00
		119/14				145		C 11 D	7/08	186.32	A 01 N		C 09 K	11/06
		119/16				146,147		C 11 D	7/00		A 62 D	3/00	C 09 K	3/00
		119/20							1/04				A 01 N	
		125/18				148-151		C 11 D	7/00		C 01 B	15/043	A 62 D	3/00
		129/00							1/06		C 09 K	3/00	C 01 B	9/00
		129/28				153-155		C 11 D	1/18	186.33	A 01 N		C 07 D	251/00
		129/86							1/38		A 62 D	3/00	C 09 K	3/00
		129/92							1/50				B 01 D	19/00
		131/12							3/26		C 01 B	13/00	C 01 B	3/00
		131/14							7/32	186.34	C 09 K	3/00	C 02 F	6/00
		141/02				156-160		C 11 D	7/06		A 01 N		C 06 B	23/00
		141/04							7/12		A 62 D	3/00	C 06 D	43/00
		145/00				162		C 09 D	9/00				C 09 K	5/00
		145/06							7/22		C 01 B	11/06	C 09 K	3/00
		145/10							7/50		C 07 C	17/00	C 02 F	1/70
		145/18				163-169		C 09 D	9/02	186.35	C 09 K	3/00	C 09 K	3/00
		147/04							7/50		A 01 N		B 01 D	19/00
		105/08				170-172		C 11 D	5/00		A 62 D	3/00	C 02 F	1/70
		107/18							9/00				C 09 K	3/00
		107/22							7/50		C 01 B	11/06	B 01 D	19/00
		107/30				173		C 11 D	5/02		C 07 D	251/00	C 01 B	17/62
		115/04				174		C 11 D	17/00	186.36,186.37	C 09 K	3/00	C 09 K	3/00
		119/04				174.11-174.25		C 11 D	5/02		A 01 N		B 01 D	19/00
		119/14				175-179		C 02 F	5/02		A 62 D	3/00	C 01 B	17/66
		119/20							5/08				C 09 K	3/00
		129/00				180,181		C 02 F	5/10		C 01 B	7/00	C 01 B	3/00
		129/86				181.1-181.7		H 01 J	7/18				C 06 B	23/00
		141/02							35/20	186.38,186.39	C 09 K	3/00	C 06 D	43/00
		143/18							1/56	186.4	A 01 N		C 09 K	3/00
		145/00							4/88		A 62 D	3/00	C 01 B	6/06
		145/18				182.1		H 01 M	3/00				C 06 B	23/00
		101/04				182.11-183.16		C 09 K	3/00		C 01 B	15/00	C 06 D	5/00
		105/22				184		C 01 B	31/16				C 09 K	3/00
		105/32							3/00				C 09 K	3/00
		107/22				185		C 09 K	3/00				C 01 B	3/00
		107/26				186.1		A 01 N		186.41	A 01 N		C 09 K	3/00
		107/30						A 62 D	3/00		A 62 D	3/00	C 01 B	3/00
54	C 10 M	105/08	58	C 10 M	105/52	116		C 11 D	9/18	186.24	A 01 N		C 01 B	11/02
		105/54			107/38				15/04		A 62 D	3/00	C 09 K	3/00
		107/22			115/06	117-120		C 11 D	9/30				A 01 N	
		107/30			125/18				15/04				A 62 D	3/00
		107/38			131/02	121		C 11 D	9/32		C 01 B	13/00	A 01 N	
		115/04			141/04				15/04		C 09 K	3/00	A 62 D	9/00
		115/06			147/02	122-127		C 11 D	9/00	186.25	A 01 N		C 01 B	7/01
		119/04			3/00				15/04		A 62 D	3/00	C 09 K	3/00
		119/14				128-130		C 11 D	9/18				A 01 N	
		119/20							15/04		C 01 B	11/00	A 62 D	3/00
		125/18				131		C 11 D	9/20				C 01 B	11/10
		129/00				132		C 11 D	9/22				A 01 N	
54.6	C 10 M	129/86	62	C 10 M	129/86	133		C 11 D	9/06	186.26,186.27	C 09 K	3/00	A 62 D	3/00
		131/08	62.2		131/08	134		C 11 D	17/00		A 01 N		C 01 B	11/06
		141/02	62.3		141/02	135		C 11 D	3/04		A 62 D	9/00	C 09 K	3/00
		141/04			141/04				7/00		C 01 B	15/00	A 01 N	
		145/00	62.51		145/00				11/00	186.28,186.29	C 09 K	3/00	A 62 D	3/00
		145/18			145/18				3/04		A 01 N		C 01 B	11/14
		147/04			147/04				7/08		A 62 D	9/00	C 09 K	3/00
		105/08	62.52		105/08				3/00		C 01 B	15/01	A 01 N	
		105/22			105/22				7/10				A 62 D	3/00
		105/54			105/54	</								

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U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 252—Con.														
		6/00		C 23 F	11/00			9/24	277	B 66 D	1/00	20	E 04 H	17/00
		1/70		C 09 K	15/00	634,635	C 09 K	3/00	278,279	B 66 D	1/26	21,22	B 21 F	27/00
	C 02 F	23/00		C 09 K	15/34			11/04	280,281	B 66 D	1/26		E 04 H	17/16
	C 06 B	43/00	400 1-400.62	C 09 K	15/04	636-643	C 09 K	11/04			1/36	23	A 01 G	17/06
		3/00	401	C 09 K	15/32		G 21 G	4/00	282	B 66 D	1/26		E 04 H	17/00
189-194	C 09 K	3/00	402	C 09 K	15/16	644	G 21 G	4/00	283-286	B 66 D	1/36	24-31	E 04 H	17/16
299.01	C 09 K	19/52	403	C 09 K	15/26	645	C 09 K	11/00	287,288	B 66 D	1/26	32-58	B 21 F	27/00
299.1	C 09 K	19/00	404	C 09 K	15/22			11/04	289	B 66 D	1/14		E 04 H	17/02
299.2,299.3	C 09 K	19/58			15/08		G 21 G	4/00			1/26	59-72	E 04 H	17/14
299.4	C 09 K	19/56	405	C 09 K	15/16	646	C 09 K	11/04	290	B 66 D	1/26	73	E 04 H	17/16
299.5	C 09 K	19/54	406	C 09 K	15/10	647	H 01 K	3/16	291	B 66 D	1/08			
299.6	C 09 K	19/06	407	C 09 K	15/06	700	C 09 K	3/00	292	B 66 D	1/12			
299.61	C 09 K	19/34	408.1	G 01 N	31/00				293	B 66 D	1/14			
299.62	C 09 K	19/32			33/00	U.S. Class 254			294-296	B 66 D	1/14	U.S. Class 258		
299.63	C 09 K	19/30	478	A 62 D		IMPLEMENTS OR APPARATUS FOR			297	B 66 D	1/22	RAILWAY MAIL DELIVERY		
299.64	C 09 K	19/20		C 04 B	35/68	APPLYING PUSHING OR PULLING FORCE			298-310	B 66 D	1/14	1	B 61 K	1/00
299.65,299.66	C 09 K	19/12		C 09 K	3/00	1	B 66 F		311,312	B 66 D	1/20	1.2-1.8	B 64 D	1/00
299.67	C 09 K	19/20		E 04 B		2	B 60 P	1/00	313	B 66 D	1/14	2-26	B 61 K	1/00
299.68	C 09 K	19/22		G 21 C	5/12	3	B 60 P	1/04	314	B 66 D	1/10			
299.7	C 09 K	19/36			7/24	4	B 60 P	1/14	315	B 66 D	1/08			
301.16-301.32	C 09 K	11/06	492	F 21 H	1/02			1/22	316	B 66 D	1/12			
301.33	C 09 K	11/06	500	H 01 B	1/00	5	B 60 P	1/02	317-320	B 66 D	1/14	U.S. Class 260		
		11/08		H 01 C		6	B 60 P	1/12			1/26	CHEMISTRY, CARBON COMPOUNDS		
301.34-301.36	C 09 K	11/02	501.1	H 01 C	13/00			1/20	321	B 66 D	5/02	1	C 07 K	
301.4	C 09 K	11/08		H 01 L		7	B 60 P	1/10	322	B 66 D	5/06	96.5	C 07 C	273/00
301.5	C 09 K	11/68	502-505	H 01 B	1/04	8-10.5	B 60 P	1/48	323,324	B 66 D	1/36			275/00
301.6	C 09 K	11/54		H 01 C										

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 260—Con.			397,397.1	C 07 J		501.1	C 07 C	395/00	501.2	C 07 F	9/02			267/00
		3/00	397.2,397.25	C 07 J	9/00			205/00		C 07 C	211/00	544	C 07 C	291/00
		13/00	397.3-397.5	C 07 J				207/00			241/00			51/58
366	C 07 F		397.6	C 07 C	315/00			211/00			243/00			53/00
	C 09 B	1/00			317/00			213/00			249/00			55/00
		3/00	397.7	C 07 C	303/00			215/00			251/00			57/00
		13/00			307/00			217/00			313/00			59/00
367,368	C 07 C	50/18			309/00			223/00	501.21	C 07 C	211/00			61/00
		221/00	398	C 07 C	311/00			225/00			241/00			63/00
		225/00			53/00			227/00			243/00			65/00
	C 09 B	1/00			57/00			239/00			249/00			261/00
369	C 07 C	50/18		C 09 F				391/00			251/00			269/00
	C 09 B	1/00		C 11 B				395/00			303/00	545	C 07 C	271/00
370	C 07 C	303/00	398.5	C 11 C	5/00	501.11	C 07 F	5/02			307/00			327/00
		307/00	398.6	C 11 B	33/00		C 07 C	229/00			309/00			329/00
		309/00		C 07 B	27/10			233/00			311/00			333/00
		311/00		C 07 C	53/126			235/00			313/00		C 07 F	5/02
	C 09 B	1/12			57/00	501.12	C 07 C	237/00			321/00	546	C 07 C	9/02
		1/24		C 11 B	1/00			239/00			323/00			51/54
		1/30			3/00			303/00			327/00			53/00
		1/34	399	C 08 H	3/00			307/00			329/00			55/00
		1/52	400-402	C 07 C	303/00			309/00			333/00			57/00
371,372	C 07 C	303/00			307/00			311/00			381/00			59/00
		307/00			309/00			313/00			9/02			61/00
		309/00		C 11 D	1/28			315/00	502	C 07 C	409/00			63/00
		311/00	402.5	C 08 H	3/00			317/00	502.3	C 07 F	5/02			65/00
	C 09 B	1/24	403	A 23 J	7/00			321/00	502.4,502.5	C 07 F	9/02			229/00
		1/30		C 07 F	9/02			323/00	502.6	C 07 C	303/00	547-549	C 07 C	51/54
		1/34			9/10			327/00			307/00			51/56
		1/52		C 11 C	3/00			329/00			309/00	550	C 07 C	391/00
373	C 07 C	303/00		C 09 F	5/00	501.13	C 07 F	9/00			311/00			395/00
		307/00	404-404.8	C 09 F	7/00		C 07 C	229/00			313/00	665	C 07 F	1/02
		309/00			7/00			233/00			321/00			1/04
		311/00		C 11 C	3/00			235/00			327/00			1/06
	C 09 B	1/52	405	C 09 F	5/00			237/00	503	C 07 C	303/00	684	C 07 B	45/00
374	C 07 C	303/00		C 11 C	3/00	501.14	C 07 C	257/00			307/00	685	C 07 B	45/00
		307/00	405.5	C 09 F	5/06			277/00			309/00	686	C 07 B	45/00
		309/00			7/08			279/00			311/00			45/02
		311/00	405.6	C 09 F	3/14	501.15	C 07 C	335/00			323/00	687	C 07 B	33/00
	C 09 B	1/34	406	C 09 F	7/02			211/00	503.5	C 07 C	381/00	688	C 07 B	43/02
375	C 07 C	303/00		C 11 C	3/00			213/00			303/00			45/00
		307/00	407	C 08 H	3/00			215/00			307/00	689	C 07 B	43/00
		309/00			5/00			217/00			309/00			45/00
		311/00		C 09 F	7/06			221/00			311/00	690	C 07 B	43/00
	C 09 B	1/12	408	C 09 F	7/00	501.16	C 07 C	223/00	504	C 07 B	45/02			45/00
376	C 07 C	49/76		C 11 C	3/00			225/00		C 07 C	303/00	691	C 07 B	41/00
		229/00	409	C 11 C	3/12			53/16		C 07 G	9/00			43/00
	C 09 B	1/00	410-410.6	C 09 F	5/08			55/00	505	C 07 C	303/00			45/00
377	C 07 C	233/00			7/10			61/00			307/00	692,693	C 07 B	41/00
		235/00	410.7-410.9	C 11 C	3/02			63/00			309/00			41/04
		237/00	412	C 09 F	5/00	501.17	C 07 C	63/68			311/00			43/00
		239/00		C 11 B	1/00			213/00	506	C 07 C	303/00			45/00
	C 09 B	1/36	412.1-412.4	C 09 F	5/02			215/00			307/00	694	C 07 B	39/00
378	C 07 C	221/00		C 11 B	1/00			217/00			309/00			41/00
		225/00	412.5	C 11 B	13/00			221/00			311/00			41/04
	C 09 B	1/16	412.6,412.7	C 11 B	1/12			223/00			335/00			43/00
379,380	C 07 C	221/00		C 11 B	1/10			225/00	507-513	C 07 C	303/00	695	C 07 B	45/00
		225/00	412.8	C 11 C	1/00			239/00			307/00			41/00
	C 09 B	1/50	413,414	C 11 C	1/04			249/00			309/00			41/04
381	C 09 B	1/16	415,416	C 11 C	1/04			259/00			311/00			43/00
382	C 07 C	221/00	417,418	C 11 D	13/00	501.18	C 07 C	213/00	513.5	C 07 C	333/00			45/00
		225/00		C 11 C	1/08			215/00	513.6	C 07 C	303/00	696	C 07 B	35/00
	C 09 B	1/20	419	C 09 F	5/10			217/00			307/00			41/00
383	C 07 C	50/18	420	C 11 B	3/00			221/00			309/00			41/04
		1/02			7/00			223/00			311/00			43/00
384	C 07 C	50/24		C 09 F	5/08			225/00	513.7	C 07 C	313/00			45/00
	C 09 B	1/00	421	C 11 B	3/02			239/00	543	C 07 C	303/00	698-700	C 07 B	41/00
		1/10		C 11 B	3/08			241/00			307/00			41/04
385	C 07 C	45/28	423	C 11 B	3/04			243/00			309/00			43/00
		50/18	424	C 11 B	3/06			249/00			311/00			45/00
	C 09 B	1/06	425-427	C 09 F	5/10			251/00			313/00			61/00
386	C 07 C	15/16	428,428.5	C 11 B	3/00			259/00			327/00	701-703	C 07 B	41/00
	C 09 B	11/00		C 07 C	207/00	501.19	C 07 C	303/00			333/00			41/04
387	C 07 F		500.5		239/00			307/00			5/02			43/00
	C 09 B	11/00			249/00			309/00		C 07 F	9/34			45/00
388	C 07 C	15/12			251/00			311/00			9/42			63/02
		11/00			257/00			313/00			9/46	704	B 01 D	
389	C 07 C	15/16			259/00			321/00			9/48			63/00
	C 09 B	11/04			263/00			323/00	543.1,543.2	C 07 C	249/00	705	B 01 D	11/00
390-394	C 09 B	11/10			265/00			327/00			251/00	706	B 01 D	7/00
395	C 09 B	11/06			267/00			329/00			257/00			7/02
396	C 07 C	50/00			291/00			333/00			263/00	707	B 01 D	9/00
		221/00			391/00			381/00			265/00	708	B 01 D	53/14
		225/00												

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 264—Con.			331.11-331.22	C 08 J	5/00	51,52	B 23 K	7/06	135,136	C 21 B	9/10	218-222	C 21 C	5/48
254,255	B 28 B	7/22	332	C 04 B	35/60	53	B 23 K	7/08		C 21 C	5/42	223	C 21 C	5/30
256	B 28 B	1/16	333	B 28 B	3/00	54	B 23 K	7/00			5/46	224	C 21 C	5/48
257	B 27 N	3/10	334	B 28 B	7/10	55,56	B 23 K	7/00	137	C 22 B	1/00	225	C 21 C	5/32
	B 29 C				13/06			7/10			19/02	226	C 21 C	5/30
258	B 29 C			B 29 C	41/42			37/02				227-232	C 21 B	3/04
	B 29 C		335	B 28 B	7/12	57	B 23 K	7/00	138	C 21 B	9/14			7/14
	B 32 B	31/04	336	B 28 B	7/10			37/04	139-141	C 21 B	9/00		C 21 C	7/00
259,260	B 29 C		337	B 29 C	33/40	58	B 23 K	7/10	142,143	C 21 B	7/00	233-235	C 21 C	7/00
261,262	B 32 B	31/06	338	B 28 B	7/36			37/00			13/06	236-239	C 21 C	5/42
263-270	B 29 C		339	B 29 C	53/00		B 23 Q	27/00			13/14	240	C 21 C	5/50
271.1	B 29 B	13/00			55/00	59,60	B 23 K	7/10	144-159	C 21 B	7/22	241	C 21 C	1/00
272.11-279.1	B 29 C		340	B 27 N	7/00			37/00		C 21 C	5/38			5/00
280	B 29 C	43/22		B 29 B	15/00		B 23 Q	27/00			5/40	242	C 22 B	7/00
	D 02 J			B 29 C	35/02			35/00	160	C 21 B		243,244	C 21 C	5/42
281	B 29 C	53/00	341	B 29 C	71/00	61	B 23 K	7/10		C 21 C		245-247	C 21 C	5/50
		55/00	342-348	B 29 B	17/00		B 23 Q	27/00	161	C 22 B	1/00	248	C 21 B	13/08
282	B 31 F	1/12		B 29 C	71/00			35/00		C 22 B	3/00	249	C 21 D	7/00
283	B 31 F	1/14	349	B 29 B	7/00	62-64	B 23 K	7/10			5/00	250	C 21 D	1/74
284	B 29 C	49/00			15/00			37/00	162	C 21 B	13/14	251-258	C 21 D	1/06
285	B 29 C	53/00	500	B 29 C	43/00		B 23 Q	27/00		C 21 C	5/00			1/74
		55/00			43/02			35/00		C 22 B	1/00	259,260	C 21 D	1/62
286,287	B 31 F	1/20			43/10	65	B 23 K	37/04			3/00	261	C 21 D	1/08
288.4	B 29 C	49/08			43/32	66-72	B 23 K	7/10			5/00	262-264	C 21 D	1/00
		55/00		B 29 D	24/00	73	B 23 K	7/08	163	C 21 B	11/06	265-270	C 21 B	7/16
	D 02 J	1/22	501,502	B 29 D	30/00			7/10			13/08	271-273	C 21 C	5/48
288.8	D 02 J	1/06			30/26	74,75	B 23 K	7/08		C 22 B	1/216	274-279	C 21 B	3/00
289.3	D 02 J	1/22	503-509	B 29 C	43/22	76,77	B 23 K	7/10	164	C 21 B	11/02	280-285	C 21 B	7/04
289.6	B 29 C	55/00			59/00	78	C 21 D	11/00			13/02			7/06
	D 02 J	1/22	510-514	B 29 C	45/00	79-81	C 21 B	7/24		C 22 B	1/214			5/44
290.2	B 29 C	55/00			47/00	82-86	C 21 D	11/00	165	C 21 B	3/10	286	C 21 C	7/02
290.5	D 02 J	1/22		B 29 D	9/00		C 21 B	5/02			11/00		C 21 B	5/44
290.7	D 01 D	5/16	515,516	B 29 C	45/14		C 21 D	11/00	166	C 21 B	7/00	287	B 23 K	
291,292	B 28 B	11/08	517,518	B 27 N	1/00	87-98	C 21 D	11/00	167	C 21 B	15/00		C 21 B	
	B 29 C	49/08		B 29 C	43/22	99,100	C 21 B	7/24	168	C 21 B			C 21 C	
		55/00	519-522	B 29 C	35/02	101	C 22 B	3/00		C 22 B			C 21 D	
293	B 28 B	11/08			43/02			9/02	169	C 22 B	11/10		C 22 B	
	B 29 C	59/00			49/00			13/08	170	C 22 B	3/00		C 22 C	
294-296	B 29 C				71/00	102	C 21 D	9/52			13/08		C 22 F	
297.1-297.9	B 28 B	3/06	523-543	B 29 C	39/02	103	C 21 D	9/54	171	C 21 B	7/00		F 27 B	
		5/00			43/02	104	C 21 D	9/62		C 22 B	1/00			
298	B 29 C	39/00			45/00	105	C 21 D	9/54			4/08			
		41/00			47/00			9/56	172	C 22 B	1/10			
299	B 28 B	1/14			49/00	106	C 21 D	9/56			5/14			
	B 29 C	39/00			49/08	107	C 21 D	1/46	173	C 21 B	11/06			
		39/02			67/00			9/58			13/08			
		39/22		B 29 D	22/00	108	C 21 D	9/54		C 22 B	1/216			
		41/00	544-554	B 29 C	43/02			9/56	174	C 21 B	7/24	1.5	F 16 F	1/34
		41/02			49/00	109	C 21 D	9/52	175	C 21 B	7/00			9/36
		41/34			51/00	110	C 21 D	1/74		C 22 B	1/00	2	B 60 G	17/005
300	B 29 C			B 29 D	24/00	111	C 21 D	1/76	176-183	C 21 B	7/16			17/01
301	B 28 B	1/38			29/00			9/56			7/18			17/015
302	B 29 C	41/18			29/06	112,113	C 21 D	1/62		C 22 B	1/00			17/02
	G 01 V	9/00			29/08			9/54	184	C 21 B	7/18			21/00
303-307	B 28 B	1/38	555	B 29 C	39/14	114	C 21 D	1/00	185	C 22 B	1/16		B 61 F	5/04
308	B 28 B	1/14			43/22			1/62	186-188	C 21 B	7/16		F 16 F	
		3/10	556	B 29 C	41/00			9/00		C 21 C	5/46	3.4	B 61 F	5/04
309	B 28 B	1/32	557-562	B 29 C	39/14	115	C 21 D	7/00			5/48		F 16 F	1/04
	B 29 C	41/08			41/24			9/68	189	C 21 B	7/10	5	B 62 B	9/18
	B 28 B	1/02			43/22	116	C 21 D	1/62			9/16	6.7	B 60 G	
310	B 28 B	1/20	563	B 29 C	57/00			1/64	190	C 21 B	7/10	23-32	B 60 G	11/34
311	B 28 B	1/44	564-569	B 29 B	15/00			9/02	191	C 21 B	7/10	33	B 60 G	11/52
312	B 28 B	7/30		B 29 C	39/14	117	C 21 D	9/00			7/14	34	B 60 G	11/56
313	B 28 B	7/32			49/00	118	C 21 D	9/32	192-194	C 21 B	7/10	35	B 60 G	11/62
314	B 28 B	7/32			49/08	119	C 21 D	9/00	195,196	C 21 B	7/14	36.1	B 60 G	11/02
315	B 29 C	35/00			55/00	120	C 21 D	1/46	197,198	C 21 B	7/08		F 16 F	1/18
316	B 29 C	33/58			67/20	121	C 21 D	1/44			11/02	37.1-37.4	B 60 G	11/02
317	B 29 C	33/76			7/00			13/02		C 22 B	1/214	38-53	F 16 F	1/24
318	B 28 B	7/20		B 29 D	7/00	122	C 22 B	3/02			7/08		B 60 G	11/02
	B 29 D	1/00	570,571	B 29 C	43/10	123	C 21 D	1/62	199	C 21 B			F 16 F	1/18
319	B 27 N	3/18			49/00			9/08	200	C 21 C		64.11,64.12	F 16 F	5/00
	B 28 B	3/00	572-574	B 29 D	22/00	124	C 21 D	1/62	201	C 21 B	3/06	64.13	F 16 F	5/00
	B 29 C	41/46						9/00		C 21 C	1/00			9/10
		43/02				125	C 21 D	9/30	202	C 21 C	1/00	64.14	F 16 F	5/00
		43/32						9/32	203	C 21 C	3/00	64.15	F 16 F	9/14
		51/00				126	C 21 D	9/32		F 27 B	3/00	64.16	B 60 G	17/00
U.S. Class 266			METALLURGICAL APPARATUS			127	C 21 D	1/62	204	C 22 B	9/02	64.17	F 16 F	5/00
320	B 29 D							1/70	205	C 22 B	7/04		B 60 G	17/00
321	B 29 C	67/20	44	C 21 B	13/00	128	C 21 D	1/10	206	C 22 B	7/00	64.18	F 16 F	9/14
322,323	B 29 C				15/00			1/40	207-211	C 21 C	7/10	64.19,64.21	F 16 F	9/342
324	D 21 J	3/00			7/12	129	C 21 D	1/10	212,213	C 21 C	1/00	64.22	F 16 F	9/04
325	B 29 C	43/00	45	C 21 B	7/10			1/42	214	C 21 C	5/04	64.23,64.24	F 16 F	9/342
326	B 29 C	35/00	46	C 21 B	7/10			1/62	215	C 21 C	1/00	64.25	F 16 F	9/04
327	B 29 C		47	C 21 B	7/16			1/62			5/42	64.26	F 16 F	9/22
328.1-328.9	B 29 C	7/00	48	B 23 K	7/00	130-134	C 21 D	1/62	216,217	C 21 C	7/00		F 16 F	5/00
	B 29 C	45/00	49	B 23 K	7/08			9/00						
330	C 08 J		50	B 23 K	7/00									

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 267—Con.			163	F 16 F	1/18	22-35	B 23 Q	3/08	51	B 42 C	1/10	141	B 65 H	3/22
			164,165	F 16 F	1/20	36	B 25 B	5/14	52	B 65 H	39/00	142,143	B 65 H	3/24
64.27	F 16 F	9/04	166	F 16 F	1/06	37-45	B 25 B	1/20	52.5	B 65 H	41/00	144,145	B 65 H	1/00
64.28	F 16 F	9/43	166.1	F 16 F	1/06	46-48	B 23 Q	1/00	53	B 42 B	2/00	146	B 65 H	3/62
66-68	B 60 G	1/00			1/08	48.1	B 23 Q	3/14			2/02	147,148	B 65 H	1/08
			167	F 16 F	1/06	48.2-48.4	B 23 Q	3/00	54	B 65 H	39/02	149,150	B 65 H	1/02
69-74	F 16 F	25/00	168	F 16 F	1/06	49-54.5	B 23 Q	1/00	55	B 65 H	5/30	151	B 65 H	1/22
					3/02	55-57	B 23 Q	1/04	56	B 65 H	43/02	152,153	B 65 H	1/18
75	F 16 F	9/00	169	F 16 F	1/06			1/06	57	B 65 H	5/30	154,155	B 65 H	1/16
			170-179	F 16 F	1/06			1/08	58	B 65 H	39/02	156	B 65 H	1/14
80	F 16 F	13/00			1/12			1/10			39/045	157	B 65 H	1/26
			180	F 16 F	1/06	58-64	B 23 Q	3/18			39/055	158,159	B 65 H	1/30
			181,182	F 16 F	1/00	65-70	B 23 Q	1/04			39/065	160	B 65 H	1/10
			183-185	B 60 G	21/00	71-73	B 23 Q	1/04			39/07			1/12
81-84	F 16 F	3/10	186,187	B 60 G	21/06		B 25 B	1/22			39/075	161-163	B 65 H	1/00
			188-194	B 60 G	21/04	74-85	B 23 Q	1/04				164	B 65 H	1/22
			195-227	B 60 G	13/00			1/12	59	B 65 H	43/00	165	B 65 H	1/06
85-89	F 16 F	3/00			15/00	86-87.2	B 25 B	1/22	60	B 65 H	39/00	166	B 65 H	1/24
90	F 16 F	3/00		F 16 F	7/00		B 43 L	5/00	95	B 65 H	33/04	167	B 65 H	3/34
					9/00		B 25 B	1/00				168	B 65 H	3/58
91-101	F 16 F	3/04			11/00	87.3	B 25 B	1/00				169	B 65 H	3/56
102-112	F 16 F	3/00	228	B 60 G	11/00	88-90	B 25 B	1/00				170	B 65 H	3/54
113	A 47 C	27/08	229,230	B 60 G	11/02		B 43 L	5/00	U.S. Class 271					
	F 16 F	5/00	231-240	B 60 G	11/36	91-103	B 23 Q	3/02	SHEET FEEDING OR DELIVERING					
			241	B 60 G	11/46	104-125	B 25 B	5/14	1,2	B 65 H	5/00	171	B 65 H	1/00
114	F 16 F	9/00	242-244	B 60 G	11/02	126-131	B 25 B	1/04	3	B 65 H	5/22	175	B 65 H	29/54
			245	B 60 G	11/12	132	B 25 B	1/20			83/00	176	B 65 H	43/00
115	B 61 G	9/08	246	B 60 G	11/08	133-138	B 23 Q	3/02			85/00	177	B 65 H	29/38
			247	B 60 G	11/02	139-151	B 25 B	1/02			1/00	178	B 65 H	29/40
	F 16 F	11/12	248-255	B 60 G	11/14	152-157	B 25 B	1/00	3.1-7	B 65 H	5/22	179	B 65 H	29/42
			256	B 60 G	11/26	158,159	B 25 B	1/16	8.1	B 65 H	1/00	180,181	B 65 H	29/46
116	B 61 G	11/12	257,258	B 60 G	11/22	160	B 25 B	1/00			3/00	182,183	B 65 H	29/68
	F 16 F	5/00	259	B 60 G	11/32	161	B 25 B	1/04			5/00	184-187	B 65 H	29/00
			260-263	B 60 G	11/10	162	B 25 B	1/08			7/00	188	B 65 H	29/70
117	A 47 C	25/00		F 16 F	1/26	163	B 25 B	1/00			9/00	189	B 65 H	29/34
			264	B 60 G	11/12	164-215	B 25 B	1/02			11/00	190-192	B 65 H	29/26
	F 16 F	5/00		F 16 F	1/28			5/02	9	B 65 H	3/44	193	B 65 H	29/30
			265-268	B 60 G	11/10	216-227	B 25 B	1/06			5/26	194,195	B 65 H	29/24
118-120	F 16 F	9/00		F 16 F	1/26			1/16	10	B 65 H	5/00	196,197	B 65 H	29/32
			269,270	B 60 G	11/12	228	B 25 B	1/14	11-15	B 65 H	5/08	198,199	B 65 H	43/04
121	F 16 F	5/00		F 16 F	1/30	229-236	B 25 B	5/12	16,17	B 65 H	3/42	200,201	B 65 H	29/50
			271	B 60 G	11/12			5/08	18	B 65 H	3/00	202	B 65 H	29/66
				F 16 F	1/28	237-239	B 25 B	1/04	18.1,18.2	B 65 H	3/16	203	B 65 H	29/68
122,123	F 16 F	5/00	272	B 60 G	11/14	240-245	B 25 B	5/04	18.3	B 65 H	3/22	204-206	B 65 H	29/04
124,125	F 16 F	9/18		F 16 F	1/10			1/10	19-23	B 65 H	3/30	207-209	B 65 H	31/00
126	F 16 F	9/18	273,274	B 60 G	11/18	246,247	B 25 B	5/10	24,25	B 65 H	7/18	210	B 65 H	31/38
				F 16 F	1/14			1/10	30.1	B 65 H	1/08	211	B 65 H	31/00
127,128	F 16 F	9/18	275	B 60 G	11/14			5/00	31	B 65 H	7/02	212	B 65 H	31/08
129	F 16 F	9/18		F 16 F	1/06	248-253	B 25 B	5/10	31.1	B 65 H	1/02	213,214	B 65 H	31/04
			276-278	B 60 G	11/18			1/10	33	B 65 H	3/20	215	B 65 H	43/04
130	F 16 F	7/00		F 16 F	1/14			5/00	34,35	B 65 H	3/04	216	B 65 H	29/66
131	A 47 C	7/14	279,280	B 60 G	11/22			5/06	37	B 65 H	1/22	217	B 65 H	31/10
	F 16 F	1/00		F 16 F	1/48			5/10	38	B 65 H	1/18	218	B 65 H	31/12
132	B 62 J	1/02	281,282	B 60 G	11/22	254,256	B 25 B	1/00	42	B 65 H	3/24	219	B 65 H	31/14
	F 16 F	1/00		F 16 F	1/38	257-286	B 25 B	1/24	65,66	B 65 H	29/68	220	B 65 H	31/26
133	A 47 C	7/14	283	B 60 G	11/02			5/16	67-70	B 65 H	29/68	221,222	B 65 H	31/36
	F 16 F	1/00		F 16 F	1/18	287-320	B 23 Q	3/00	72	B 65 H	29/34	223,224	B 65 H	31/20
134	F 16 F	1/00	284,285	B 60 G	11/18	322-328	A 61 G	13/00	73	B 65 H	29/22	225	B 65 H	5/00
				F 16 F	1/14	329	B 23 Q	3/00	81	B 65 H	29/06	226	B 65 H	9/00
135	F 16 F	3/00	286,287	B 60 G	11/14				82	B 65 H	29/06	227,228	B 65 H	7/02
				F 16 F	1/04				83	B 65 H	29/46	229-231	B 65 H	9/14
136-140.5	F 16 M	3/06	288	B 60 G	11/14				84	B 65 H	29/10	232	B 65 H	9/08
				F 16 F	1/08				85	B 65 H	29/10	233	B 65 H	9/10
			289-291	B 60 G	11/14	U.S. Class 270			90	B 65 H	3/08	234-240	B 65 H	9/00
				F 16 F	1/04	SHEET-MATERIAL ASSOCIATING			91-93	B 65 H	3/40	241	B 65 H	9/12
				F 16 F	1/36	1.1	B 41 F	13/54	94-96	B 65 H	3/12	242-247	B 65 H	9/04
141-141.7	F 16 F	7/00	293	B 60 G	11/22	4-9	B 41 F	13/58	97,98	B 65 H	3/14	248-252	B 65 H	9/16
142-144	A 47 C	23/00		F 16 F	1/44	10-16	B 41 F	13/64	99-103	B 65 H	3/08	253-255	B 65 H	9/04
			294	B 60 G	11/22	17	B 41 F	13/68	104	B 65 H	3/34	256,257	B 65 H	7/00
	F 16 F	1/00		F 16 F	1/40	18,19	B 41 F	13/64	105,106	B 65 H	3/46	258,259	B 65 H	7/02
						20.1,21.1	B 41 F	13/56	107,108	B 65 H	3/08	260	B 65 H	7/12
145,146	F 16 F	1/00				22.1	B 41 F	3/20	109	B 65 H	3/06	261	B 65 H	7/08
147-149	F 16 F	1/36	U.S. Class 269			30,31	B 65 H	29/46	110,111	B 65 H	7/08	262,263	B 65 H	7/12
150	F 16 F	1/00	WORK HOLDERS			32	B 41 L	43/00	112	B 65 H	3/64	264	B 65 H	5/00
151	F 16 F	3/02				37	B 41 L	43/12	113	B 65 H	3/32	265	B 65 H	7/02
152	F 16 F	3/08				38	B 41 L	43/10	114-120	B 65 H	3/06	266-269	B 65 H	5/12
153	F 16 F	1/36	1,2	B 25 B	3/00	39	B 41 L	1/32	121-125	B 65 H	1/08	270	B 65 H	5/34
154	F 16 F	1/14	3-7	B 25 B	1/00	40	B 41 L	1/30	126-130	B 65 H	3/24	271	B 65 H	5/16
155	F 16 F	1/06	8	B 25 B	11/00	41	B 41 L	43/04	132	B 65 H	3/64	272-277	B 65 H	5/02
156	F 16 F	1/10	9-11	B 23 Q	3/00	42	B 41 L	43/08	133	B 65 H	3/60			5/04
157	F 16 F	1/06		B 25 B	1/00	43	B 41 L	43/10	134	B 65 H	3/46	278-286	B 65 H	29/00
158-160	F 16 F	1/18	12	B 23 Q	5/00	44	B 41 L	43/14	135	B 65 H	7/00	287-305	B 65 H	39/10
161	F 16 F	1/34	13-20	B 23 Q	3/00	45-47	B 42 C	1/00	136	B 65 H	3/52	306-313	B 65 H	29/54
162	F 16 F	1/20		B 25 B	1/00	48	B 42 C	1/10	137,138	B 65 H	3/36	314,315	B 65 H	29/20
			21	B 25 B	11/00	49,50	B 42 C	1/00	139,140	B 65 H				

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 272			115	A 63 B		61	A 63 B	39/00	275-291	A 63 F	3/00	404	F 41 J	1/12
AMUSEMENT AND EXERCISING DEVICES			116	A 63 B	21/00	62-64	A 63 B	37/00	292	A 63 F	1/00	405	A 63 B	63/00
1	A 63 G	31/00	117,118	A 63 B	21/06	65	A 63 B	41/00			9/20			65/00
2	A 63 G	31/00	119-121	A 63 B	21/00	67	A 63 B	59/00	293-296	A 63 F	1/02			67/00
3	A 63 J	3/00	122,123	A 63 B	21/072	68,69	A 63 D	15/08			9/20		F 41 J	1/00
4	A 63 K	1/00	124	A 63 B	15/00	70,71	A 63 D	15/12	297-308	A 63 F	1/00	406,407	F 41 J	1/10
		3/00	125-128	A 63 B	21/00	72	A 63 B	59/06			9/20			1/20
5	A 63 K	1/00	129	A 63 B	21/005	73	A 63 B	49/00	309	A 63 F	9/00			7/02
6	A 63 J	5/12	130,131	A 63 B	21/00	74	A 63 B	49/16	310-312	A 63 B	67/00	408	F 41 J	3/02
7	A 63 G	1/00	132	A 63 B	21/22			49/18		F 41 J	1/00	409	F 41 J	1/00
8-13	A 63 J	3/00	133,134	A 63 B	21/00	75	A 63 B	49/08			5/00	410	F 41 J	1/12
		5/00	135	A 63 B	21/02	76	A 63 B	59/04			9/00	411	A 63 B	67/00
14	A 63 J	5/04	136	A 63 B	21/04	77	A 63 B	53/00			67/00	412	A 63 B	67/00
15	A 63 J	5/02	137-142	A 63 B	21/02	78	A 63 B	53/04	313-316	A 63 B	1/00	413,414	A 63 B	67/10
16-18	A 63 J	31/16	143	A 63 B	21/00	79	A 63 B	53/06		F 41 J	5/00	415	A 63 B	65/00
		5/00	144-146	A 63 B		80	A 63 B	53/10			63/00	416-423	A 63 B	65/02
19	A 63 J	11/00	U.S. Class 273			80.1-80.8	A 63 B	53/12			65/00	424,425	A 63 B	65/10
20	A 63 J	23/00	AMUSEMENT DEVICES, GAMES			80.9	A 63 B	53/10			67/00	426	A 63 B	65/08
21	A 63 J	5/00						53/12			69/40	427	A 63 B	65/00
22,23	A 63 J	1/02				81-81.6	A 63 B	53/14		A 63 F	9/02	428	A 63 B	65/10
24-26	A 63 J	5/00				82	A 63 B	9/00		F 41 J	1/00			65/00
27	A 63 J	23/00	1	A 63 B	67/00	83	A 63 B	59/10			3/00			
28,29	A 63 G	1/00	1.5	A 63 F	9/00	84	A 63 B	59/00			5/00			
30	A 63 G	1/32				85	A 63 F	7/06			7/00			
31	A 63 H	13/20		A 63 C	19/00	86	A 63 F	9/14	318-330	A 63 B	59/02			
32	A 63 G	3/00	2	A 63 D	13/00	87-88	A 63 F	7/06			65/12			
33	A 63 G	1/12				89	A 63 F	7/22	331-335	A 63 B	63/00			
34	A 63 G	1/08	3	A 63 D	15/00	90-94	A 63 F	7/06			67/06	1	B 41 B	3/00
		1/10	4	A 63 D	15/04	108-117	A 63 B	67/14			67/10	2-7	B 41 B	11/00
35-43	A 63 G	1/00	5	A 47 C	13/00	118	A 63 D	3/00			67/06	8	B 41 B	11/38
44,45	A 63 G	1/34		A 63 D	15/04			13/00	336-339	A 63 B	67/06	9-11	B 41 B	11/44
46	A 63 G	1/00	6,7	A 63 D	15/00	119-122	A 63 D	3/02	340	A 63 B	67/00	12-16	B 41 B	11/18
47	A 63 G	1/06	8,9	A 63 D	15/06	123-125	A 63 F	7/22	341	A 63 B	67/12	17	B 41 B	11/24
48-51	A 63 G	1/00	10-13	A 63 D	15/00	126	A 63 F	3/00	342	A 63 B	67/00	18,19	B 41 B	11/18
52-53.2	A 63 G	17/00	14	A 63 D	13/00	127-129	A 63 B	71/00	343-347	A 63 B	65/00	20,21	B 41 B	11/26
54-56	A 63 G	11/00				138	A 63 B	71/00			67/00	22-27	B 41 B	3/04
56.5	A 63 G	21/00	17-21	A 63 D	15/16	139-144	A 63 F	1/00		F 41 J	3/00	28-33	B 41 B	3/06
61	A 63 B	7/02	22	A 63 D	15/00	145,146	A 63 F	9/04	348	A 63 B	63/00	34	B 41 B	1/00
62	A 63 B	1/00	23,24	A 63 D	15/10	147	A 63 F	5/04			67/00	35	B 41 B	1/16
63	A 63 B	3/00	25	A 63 B	67/00	148	A 63 B	71/00		A 63 F	69/40	36,37	B 41 B	1/06
64	A 63 B	5/12				149	A 63 F	1/12		F 41 J	9/02	38,39	B 41 B	1/26
65	A 63 B	5/00	26	A 63 B	69/40			1/14			1/00	40	B 41 B	1/28
66	A 63 B	5/08	27	A 63 C	19/12	150,151	A 63 F	1/10	348.1	F 41 J	2/02	41-43	B 41 B	1/20
		5/10	28	A 63 B	37/00	153,154	A 63 F	9/06			7/00	44,45	B 41 B	1/22
67	A 63 B	5/00				155,156	A 63 F	9/08			67/00			
68	A 63 B	21/00				157	A 63 F	9/10			63/00			
		21/072	29	A 63 B	61/00	158-160	A 63 F	9/08			65/00			
69	A 63 B	23/035	30	A 63 B	69/38	161	A 63 F	1/00			65/12			
70	A 63 B	22/02						3/00	349	A 63 B	67/00	1,2	E 21 B	33/00
		1/00						9/00	350	A 63 B	63/00		F 16 J	9/00
70.1,70.2	A 63 B	23/04	31	A 63 C	19/06	162-164	A 63 B	53/00	351	A 63 B	67/00			15/00
70.3,70.4	A 61 H	3/00				165,166	A 63 B	53/14	352	A 63 B	63/00	3	F 16 K	41/00
71	A 63 B	31/00	32	A 63 B	55/00	167,168	A 63 B	53/04	353	A 63 B	67/02		E 21 B	33/00
72	A 63 B	69/06				169-172	A 63 B	53/08			67/12		F 16 J	15/00
73	A 63 B	21/00				173-175	A 63 B	53/04	354	A 63 B	63/00			15/40
		23/04				176	A 63 B	67/02	355	A 63 B	65/00	4	F 16 K	41/00
74	A 63 B	5/22	32.5-34	A 63 B	57/00	177-180	A 63 B	57/00			69/40		E 21 B	33/00
75	A 63 B	5/20	35	A 63 B	69/36	181-200	A 63 B	57/00	356,357	F 41 J	1/00		F 16 J	15/00
76-78	A 63 B	69/00	37	A 63 D	1/00	201-212	A 63 B	57/00			65/00	5	F 16 K	41/02
85	A 63 G	9/00	38,39	A 63 D	5/00	213	A 63 B	43/00	358	F 41 J	9/14		E 21 B	33/00
86-92	A 63 G	9/16	40	A 63 D	7/00	214	A 63 B	37/02	359	A 63 B	63/00		F 16 J	15/00
93	A 63 B		41-45	A 63 D	5/00	215	A 63 B	37/08			67/00		F 16 K	41/00
94,95	A 63 B	23/00	46	A 63 D	5/08	216-218	A 63 B	37/00	360,361	F 41 J	9/08	6-8	F 16 L	21/02
96	A 63 B	23/04	47-49	A 63 D	5/02	219	A 63 B	37/02	362-365	F 41 J	9/16		E 21 B	33/00
97	A 63 B	69/18	50	A 63 B	71/06	220-229	A 63 B	37/00	366-370	A 63 B	63/00		F 16 J	15/00
98	A 63 B	69/02	51	A 63 D	1/04	230	A 63 B	37/02	371-377	F 41 J	5/02	9	F 16 K	41/00
99	A 63 B	23/00				231	A 63 B	37/08			5/04		F 16 J	9/00
100	A 63 B	5/00	52	A 63 D	5/06	232	A 63 B	37/14			5/08			15/00
101	A 63 K	3/04	53	A 63 D	1/00	233-235	A 63 B	37/12	378-380	F 41 J	5/12		F 16 K	41/00
102,103	A 63 B	5/02	54	A 63 D	5/00	236-241	A 63 F	3/00			5/14	9.5-11	F 16 J	9/00
104	A 63 B	5/06	55	A 63 B	67/00	242	A 63 F	3/02	381,382	F 41 J	5/06		F 16 K	41/00
105	A 63 K	3/02	56	A 63 B	59/10	243-257	A 63 F	3/00	383	F 41 J	5/14	12	F 02 F	9/00
106	A 63 B	65/04				258-264	A 63 F	3/02			7/04		F 16 J	15/00
107	A 63 B	65/10	57	A 63 B	67/04	265-267	A 63 F	3/00	384-393	F 41 J	5/14	13,14	F 16 J	15/16
108	A 63 B	65/06	58	A 63 B	37/00	268	A 63 F	3/08	394-402	A 63 B	63/00			15/42
109	A 63 B					269-271	A 63 F	3/06		F 41 J	1/00			15/44
110	A 63 B	9/00	59	A 63 B	37/00	272,273	A 63 F	3/00			3/00	15,16	F 16 J	15/00
111	A 63 B	7/08	60	A 63 B	37/06	274	A 63 F	3/08	403	F 41 J	3/00			15/16
112	A 63 B	7/04												
113	A 63 B													
114	A 63 B	25/08												

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 277—Con.				F 16 J	15/40			15/00		F 16 K	41/00			
		15/40			15/44	156	F 02 F	5/00	207	F 16 J	9/00	2	B 25 G	3/22
17-21	B 65 D	53/00	74-79	B 65 D	53/00		F 16 J	9/06			15/00		B 23 B	5/22
	F 16 J	15/00		F 16 J	15/16			9/16		F 16 K	41/00			5/34
		15/40			15/40			15/00		F 16 L	19/00			31/14
		15/44			15/44	157-165	F 02 F	5/00	208-210	F 16 J	9/00	3	B 23 B	5/22
22	F 02 F	11/00	80	E 21 B	33/00		F 16 J	9/06			15/00			5/34
	F 16 J	15/00		F 16 J	9/00			15/00		F 16 K	41/00			31/30
		15/40			15/00		F 16 K	41/00	211	B 65 D	53/00	4	B 23 B	5/22
		15/44		F 16 K	41/00	166	B 65 D	53/00		F 16 J	15/00			31/10
23	B 65 D	53/00	81-84	F 16 J	15/34		F 16 J	9/06		F 16 K	41/00			31/30
	F 16 J	15/00			15/54			15/00	212	F 16 L	19/00	5	B 23 B	5/22
		15/40	85-87	F 16 J	15/34		F 16 K	41/00		B 61 F	15/22			5/34
	F 16 L	17/00			15/54	167	B 65 D	53/00		F 16 J	9/08			31/36
24	E 21 B	33/08	88-90	F 16 J	15/36		F 16 J	9/04			15/32	6	B 25 G	3/22
	F 16 J	15/00			15/54			15/00	213	B 65 D	53/00		B 23 B	5/22
		15/16	91	F 16 J	15/34	167.3,167.5	F 16 K	41/00		F 16 J	9/00			5/34
	F 16 K	41/00			15/54		F 16 J	9/00			15/00			31/00
25	F 16 J	15/16	92	F 16 J	15/54		F 16 K	41/00	214,215	F 16 L	19/00	7	B 25 G	3/22
		15/42			15/54	168-172	B 65 D	53/00		B 65 D	53/00		B 25 G	3/22
		15/44	93-96	F 16 J	15/34		F 16 J	9/00		F 16 J	9/00	8	B 23 B	5/22
26	F 02 F	5/00			15/54			15/00			15/00			5/34
	F 16 J	9/00	96,196.2	F 16 J	15/34	173-177	F 16 K	41/00	216,217	F 02 F	5/00			31/00
		15/00	97-100	E 21 B	33/00		B 61 F	15/22		F 16 J	9/00	9	B 25 G	3/22
	F 16 K	41/00		F 16 J	15/00		F 16 J	9/00		F 16 K	15/00		B 23 B	5/22
27	F 16 J	15/16		F 16 K	41/00			15/00			41/00			5/34
		15/40	101	B 65 D	53/00		F 16 K	41/00	218,219	F 02 F	5/00			31/00
	F 16 L	17/00		E 21 B	33/00	178	B 61 F	15/22		F 16 J	9/18			31/103
28,29	F 02 F	11/00		F 16 J	15/00		F 16 J	9/04			15/00	14-20	B 25 G	3/22
	F 16 J	9/00	102	B 65 D	53/00			15/00		F 16 K	41/00		B 23 B	5/22
		15/00		E 21 B	33/00		F 16 K	41/00	220-222	F 02 F	5/00			5/34
	F 16 K	41/00		F 16 J	15/00	179	B 65 D	53/00		F 16 J	9/14			31/00
30	E 21 B	33/00		F 16 L	21/04		F 16 J	15/00			15/00		B 25 G	3/22
	F 02 F	11/00	103	B 65 D	53/00		F 16 L	19/02	223,224	F 02 F	5/00	22-24	B 23 B	5/22
	F 16 J	15/16		E 21 B	33/00			21/02		F 16 J	9/00			5/34
31	E 21 B	33/00		F 16 J	15/00	180	B 65 D	53/00			15/00			31/12
	F 16 J	15/16			15/40		E 21 B	15/00	225,226	F 16 K	41/00	28	B 25 G	3/02
	F 16 K	41/00	104-124	B 65 D	53/00		F 16 J	15/00		B 65 D	53/00		B 23 B	5/22
32	F 02 F	5/00		E 21 B	33/00		F 16 L	19/02		F 16 J	15/00			5/34
		11/00		F 16 J	15/00	181-187	B 65 D	53/00		F 16 K	41/00			31/107
	F 16 J	15/00		F 16 L	21/04		E 21 B	33/00		F 16 L	19/00			31/12
33	F 16 K	41/00	125	B 65 D	53/00		F 16 J	15/00	227	B 65 D	53/00		B 25 G	3/02
	F 16 J	41/00		E 21 B	33/00	188	B 65 D	53/00		F 02 F	11/00	29	B 23 B	5/22
	F 16 K	41/00		F 16 J	15/00		E 21 B	33/00		F 16 J	15/00			5/34
34-34.6	E 21 B	33/00	126	B 65 D	21/00		F 16 J	15/00	228	F 16 K	41/00			31/12
	F 16 J	15/46			53/00	189	F 16 L	21/02		B 65 D	53/00	30	B 25 G	3/02
	F 16 K	41/00		E 21 B	33/00		B 65 D	53/00		F 16 J	15/00		B 23 B	5/22
	F 16 L	33/16	127	B 65 D	53/00		E 21 B	33/00	229-237	F 16 K	41/00			5/34
35-37	B 65 D	53/00		E 21 B	33/00		F 16 J	15/00		B 65 D	53/00			31/107
	F 16 J	41/00		F 16 J	15/46	189.5	B 65 D	53/00		F 02 F	11/00			31/12
	F 16 K	41/00	128-132	B 65 D	53/00		E 21 B	33/00		F 16 J	15/00	32-65	B 25 G	3/02
38-43	F 16 J	9/00		E 21 B	33/00		F 16 J	9/22			41/00		B 23 B	5/22
		15/40		F 16 J	15/00			15/00						5/34
	F 16 K	41/00	133,134	B 61 F	15/22	190,191	B 65 D	53/00				66-75	B 25 G	3/02
44-52	B 65 D	53/00		F 16 J	15/54		E 21 B	33/00					B 23 B	5/22
	F 16 J	41/00	135	B 65 D	53/06		F 16 J	9/00						5/34
	F 16 K	41/00		F 16 J	15/14			15/00						31/16
53-57	F 02 F	11/00			15/40	192	F 16 J	9/00				76-87	B 23 B	5/22
	F 16 J	15/48	136,137	F 16 J	9/24			15/00	1	B 62 C				5/34
58	E 21 B	33/00			15/00		F 16 K	41/00		B 68 B				31/12
	F 16 J	9/00			41/00	193	F 16 J	9/16	2	B 62 C	1/02	89-95	B 25 G	3/02
		15/00	138-146	F 16 K	41/00			15/00		B 62 C	5/00		B 23 B	5/22
59	B 65 D	53/00		F 02 F	5/00		F 16 K	41/00	2.1	B 62 C	5/00			5/34
	F 16 J	15/00		F 16 J	9/06	194	F 16 J	9/02	3-20	B 62 C	11/00			31/10
		15/40			15/00			9/16	21-32	B 62 C	5/08		B 25 G	3/02
60	B 65 D	53/00	147	F 16 K	41/00		F 16 K	41/00		B 68 B	5/00	96	B 23 B	5/22
	F 16 J	15/16		F 02 F	5/00	195-199	F 16 J	9/16	33-101	B 62 C	5/00			5/34
	F 16 K	41/00		F 16 J	9/06			15/00	102-125	B 62 C	5/00			31/10
61-63	F 16 J	9/00	148-151	F 02 F	5/00	200	F 16 K	41/00		B 68 B	3/00		B 25 G	3/22
		15/00		F 16 J	9/06		F 16 J	9/20	126-130	B 62 C	5/00	97	B 23 B	5/22
	F 16 K	41/00			15/00	201,202	F 16 J	9/00			11/00			5/34
64	B 65 D	53/00		F 16 K	41/00			15/00		B 68 B	7/00		B 25 G	3/22
	F 16 J	15/16	152,153	F 02 F	5/00		F 16 K	41/00				99	B 23 B	5/22
	F 16 K	41/00		F 16 J	9/06	203	F 16 J	9/04						5/34
65	F 16 J	15/38			15/32			15/00						31/10
66	E 21 B	33/00	154	F 02 F	5/00	204	F 16 K	41/00						31/11
	F 16 J	9/00		F 16 J	9/06		F 16 J	15/00						31/113
		15/00			15/00		F 16 K	41/00					B 25 G	3/30
67	B 61 F	15/22	155	F 16 K	41/00	205,206	F 16 L	19/02	1	B 23 B	5/22	100,101	B 23 B	5/22
	F 16 J	15/54		F 02 F	5/00		F 16 J	9/08			5/34			5/34
68-73	B 65 D	53/00		F 16 J	9/06			15/32			31/00			31/10
					9/18			15/48			31/07		B 25 G	3/30

U.S. Class 278

LAND VEHICLES, ANIMAL DRAFT
APPLIANCES

U.S. Class 279

CHUCKS OR SOCKETS

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 279—Con.														
102	B 23 B	5/22	11.28	A 63 C	17/00	160.1	B 60 R	19/00		B 62 D	53/06	730	B 60 R	21/22
		5/34			1/24		B 62 J	15/00	433-441.2	B 62 D	53/06	731,732	B 60 R	21/16
		31/10	11.3	A 63 C	17/00	161,162	B 60 R	19/00	442-445	B 62 D	13/00	733	B 60 R	21/18
		31/117			1/02	163-169	B 60 R	3/00	446.1-503	B 60 D		734,735	B 60 R	21/32
		3/10			1/04	170-178	B 62 C	9/00	504	B 60 D	1/01	736,737	B 60 R	21/26
		5/22			1/18	180	B 60 P	7/00			1/14	738,739	B 60 R	21/30
103	B 25 G	5/22			1/20	181-185	B 62 C	9/00			1/167	740-742	B 60 R	21/28
	B 23 B	5/34			1/22	186-192	B 62 C	7/00			1/173	743	B 60 R	21/20
		31/10	11.31-11.34	A 63 C	9/00			11/00	505-515	B 60 D		748	B 60 R	21/02
		31/10			1/04	200	B 62 K		600,601	A 63 C	5/00			21/11
		3/10			9/00		B 62 M		602	A 63 C	5/07	749	B 60 R	21/06
104	B 25 G	5/22	11.36	A 63 C	3/02	201	B 62 J	11/02	603	A 63 C	5/02	750	B 60 R	21/05
	B 23 B	5/34	12.1-28.18	B 62 B	9/04	202	B 62 J	7/00	604,605	A 63 C	5/00	751	B 60 R	21/04
		31/10			13/00			11/00	606	A 63 C	5/06			21/055
		3/14			15/00		B 62 K	27/00	607	A 63 C	5/00	752	B 60 R	21/045
105	B 25 G	5/22			17/00	203,204	B 62 K	27/00	608,609	A 63 C	5/04	753	B 60 R	21/04
	B 23 B	5/34			19/00	205-208	A 63 G	25/00	610	A 63 C	5/00	754	B 60 G	25/00
		31/10			27/00			27/00	611-617	A 63 C	9/00		B 60 R	21/00
		3/02			29/00			29/00			9/08			27/00
106-109	B 25 G	5/22	28.5	B 62 D	57/00		B 62 K	1/00	618	A 63 C	9/081	755	B 60 R	21/00
	B 23 B	5/34	29	B 60 G				17/00			9/082		B 60 S	9/00
		31/12		B 60 R		209	B 62 K	13/06	619-622	A 63 C	9/00		F 16 M	
		3/22		B 62 B		210,211	B 62 K	11/00			9/06	756	B 60 R	21/13
110-122	B 25 G	5/22		B 62 D			B 62 M		623-635	A 63 C	9/10	757-759	B 60 S	9/00
	B 23 B	5/34	30-32	B 60 F		212-217	B 62 M	1/10			9/16	760	B 60 R	
		31/16		B 62 B	1/04			27/00			9/18	761	B 60 S	9/18
		3/22			3/02	218,219	B 62 M	29/00			9/20	762	B 60 R	
123	B 25 G	5/22			7/12	220-235	B 62 M	1/00			9/22	763.1-766.1	B 60 S	9/02
	B 23 B	5/34	32.5	A 01 D	67/04	236-238	B 62 M	9/00			9/24	767-770	B 60 R	
		31/16			75/00			25/00	636,637	A 63 C	9/00	771	B 62 D	1/00
		31/39			1/00	239	B 62 K	5/00	638-659	B 62 B	1/00	772	B 62 D	9/02
	B 25 G	3/22	32.6	B 25 H	5/00	240	B 62 K	21/00			3/00	773	B 62 D	3/14
				B 62 B	11/00	241	B 62 M	1/00			5/00	774	B 62 D	1/24
				B 62 D	63/00	242.1-250.1	B 62 M	1/14			7/00	775	B 62 D	1/18
			32.7	B 62 D	39/00	251	B 62 M	1/08			9/00	776	B 62 D	15/02
			33.991-33.998	B 62 D	1/00	252	B 62 M	1/04	660	B 60 G		777	B 62 D	1/11
			35	B 62 B	3/02	253-258	B 62 M	1/00						1/18
					7/06			5/00	661	B 62 D	17/00			1/19
					21/14	259-262	B 62 M	1/02	662-675	B 60 G		778	B 62 D	1/04
					33/08	263-280	B 62 K	1/00						1/12
1	B 60 R	13/00		B 62 D	15/00			17/00	676	B 60 G	5/00	779,780	B 62 D	1/16
1.12-1.23	A 63 G	15/00			61/12			21/00			5/01	781	B 62 D	21/00
		17/00			15/00			3/00	677-679	B 60 G	5/00			21/15
		19/00	37-42	B 62 K	1/00		B 62 M	5/00	680	B 60 G	5/00			21/16
		25/00		B 62 B	7/06			7/00			5/03			21/17
		1/00			13/02			9/00			5/047			24/00
1.5	B 62 M	51/04		B 62 D	21/14			11/00			5/053	782,783	B 62 D	21/00
2	B 62 D	33/08			33/08			13/00	681-687	B 60 G	5/00			21/15
	B 60 S	39/00			15/00			15/00	688	B 60 G	1/00			21/16
3	B 62 D	1/16	43-43.24	B 62 K	21/14			1/00			5/00			21/17
4	A 62 C	33/08		B 62 D	33/08	281.1-288.3	B 62 K	3/00			7/00	784	B 62 D	7/22
	B 60 P	61/12			61/12			5/00			9/00			21/00
52-5.32	B 62 B	1/08		B 62 B	1/08			7/00			11/00			21/15
		9/22	46.47	B 62 B	9/22			9/00			11/10			21/16
6.1-6.12	B 60 S	3/00	47.1	B 62 B	3/00			11/00			11/15			21/17
	B 62 D	7/04	47.11	B 62 B	7/04			13/00			11/16	785	B 62 D	21/12
7	B 60 P	1/08	47.12	B 62 B	1/08			15/00			11/20	786,787	B 62 D	21/04
7.1-7.17	A 63 C	17/18	47.131-47.331	B 62 B	1/00	288.4-304.5	B 62 H				11/23	788	B 62 D	7/22
	B 62 K	13/00			7/02		B 62 J				11/24			21/00
8-11	B 62 B	13/18	47.34-47.371	B 62 B	3/00		B 60 D	1/24			11/27			21/11
		19/00			11/00	400		1/48			11/28	789	B 62 D	63/06
11.115	A 63 C	1/00	47.38-47.41	B 62 B	7/00			1/58			17/005	790-792	B 62 D	21/00
		5/00			9/00			13/00			17/01			21/05
		17/12	62	B 62 D	61/06		B 62 D	53/00			17/015			21/07
11.12	A 63 C	1/00	63-77	B 62 C	1/00			59/00			17/02	793,794	B 62 D	21/06
		3/00		B 62 D	61/00			63/00			21/00	795-800	B 62 D	21/00
		5/00	78	B 62 D	61/00	401	B 62 D	3/06	689	B 60 G	21/00			21/03
		7/00	79	B 62 B	5/00	402	B 60 P	53/04	690	B 60 G	3/00	801	B 60 R	22/00
		9/00		B 62 D	9/04		B 62 D	5/00			3/01			22/48
		11/00	79.11-79.7	B 62 B	1/00	403	B 60 P	3/022	691-701	B 60 G	3/00	802	B 60 R	22/04
11.14	A 63 C	1/24			5/00	404	B 62 D	53/00	702	B 60 G	11/26	803	B 60 R	22/08
11.15	A 63 C	1/26	80.1-86	B 60 G			B 60 D				15/07	804	B 60 R	22/06
		1/28		B 60 P		405.1-413	B 62 D				15/14	805	B 60 R	22/28
11.16	A 63 C	1/22		B 62 D			B 60 P				21/00	806	B 60 R	22/36
11.17	A 63 C	1/00	87.01-87.05	B 62 M	1/00	414.1	B 60 P	3/071	703	B 60 G	11/26			22/46
11.18	A 63 C	1/30	87.051	B 62 B	7/00			3/10	704-714	B 60 G	11/32	807	B 60 R	22/34
11.19	A 63 C	17/00	87.1-149.2	B 60 G			B 62 D	63/00	715	B 60 G	11/22	808	B 60 R	22/00
11.2,11.21	A 63 C	17/14		B 60 P		414.2,414.3	B 60 P	3/10	716,717	B 60 G	11/02	809-812	A 63 C	11/00
		17/20		B 62 D			B 62 D	63/00	718-720	B 60 G	11/18	813	A 63 C	11/18
11.22	A 63 C	17/02	151	B 60 S	9/00	414.5	B 60 G		721-723	B 60 G	11/14	814	A 63 C	11/00
		17/04	152.05-157	B 62 D	25/18	415.1-418.1	B 60 F		724-726	B 60 G	1/43	815	A 63 C	11/02
11.23	A 63 C	17/04	158.1	B 60 C		419	B 62 D	12/00	727	B 60 P	16/00	816	A 63 C	17/26
11.24	A 63 C	17/08	159	B 62 B	9/14			1/62			21/00	817,818	A 63 C	11/00
11.25	A 63 C	17/04			9/16	420-422	B 60 D					819	A 63 C	11/22
11.26	A 63 C	1/22		B 62 D	25/16		B 60 R	16/00						11/00
		17/00	160	B 60 R	19/00	423.1-431	B 62 D	53/06	728	B 60 R	21/16	820-823	A 63 C	11/00
11.27	A 63 C	1/00		B 62 D	25/16	432	B 60 T	7/12	729	B 60 R	21/24	824	A 63 C	11/24

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 280—Con.			18	B 41 L	5/04	24	F 16 L	35/00	94	F 16 L	7/00			27/10
			19	B 41 L	5/00			55/00			9/00			51/02
825	A 63 C	3/12	20,21	B 41 L	5/04	25,26	B 61 G	5/08			11/00	230	F 16 L	49/00
826	A 63 C	17/28	22-24	B 41 L	1/24		F 16 L	35/00			21/00	231-233	F 16 L	21/00
827-829	A 63 G	13/00	25-27	B 41 L	1/20			55/00	95-113	F 16 L	17/00	234	F 16 L	13/14
		15/00	28	B 41 L	1/16	27	F 16 L	35/00			33/16			19/04
		17/00	29	B 41 L	3/00			55/00	114-116	F 16 L	13/04			21/00
		19/00				28-30	F 16 L	35/00			35/00	235-237	F 16 L	21/00
		25/00						39/00			55/00	238-259	F 16 L	33/00
		1/00						55/00	117	F 16 L	35/00			47/00
830-839	B 62 M	3/22	U.S. Class 283			31	F 16 L	21/00			55/00			49/00
840	B 60 S	9/00	PRINTED MATTER					25/00	118	F 16 L	27/00	260	F 16 L	31/00
841-844	A 63 C	1/00				32	F 16 L	21/00			55/00	261-271	F 16 L	27/04
		3/00	2-4	B 42 D	5/04			25/00	119,120	F 16 L	55/00	272-282	F 16 L	27/00
		5/00	5	B 42 D	15/00	33-35	F 16 L	27/12	121	F 16 L	45/00	283	F 16 L	25/00
		7/00	17	G 09 C	1/00			35/00			55/00			27/00
		9/00	23,24	B 42 D	15/00			37/00	122,123	F 16 L	27/00			35/00
		11/00	25-29	G 09 F	3/00			55/00			55/00	284	F 16 L	13/00
		17/00	30-33	B 42 D	15/00	36	F 16 L	35/00	124-127	F 16 L	43/00	285	F 16 L	13/00
845	A 62 B	9/04	34,35	G 09 B	29/00			55/00	128,129	F 16 L	55/00			47/02
846	B 60 P		36-43	B 42 F	21/00	37	F 16 L	17/00		H 05 K	5/00			55/00
	B 62 D		44	G 09 B	19/02			21/02			5/04	286	F 16 L	13/02
847-854	B 62 B	9/14			23/02			33/18	130	B 65 D	47/00			47/02
		9/16	45	G 09 B	11/00			55/00		F 16 L	39/00	287	F 16 L	13/00
855,856	B 60 S	1/68			19/08	38	F 16 L	35/00	131-133.2	F 16 L	41/00			13/08
			46	G 09 B	17/02			37/00			47/00			47/00
			48.1	G 09 B	19/22			55/00	134	F 16 L	39/04			47/02
			49-52	G 09 B	19/00	39	F 16 L	35/00			47/00	288	F 16 L	47/00
U.S. Class 281			52.1	G 09 B	19/22			55/00			47/00	289	F 16 L	15/02
BOOKS, STRIPS AND LEAVES			53-55	B 42 D	15/00	40	F 16 L	35/00	135,136	F 16 L	41/00			27/12
			56	G 09 F	41/04			41/04			47/00			39/04
2.3.1	B 42 D	1/00	57-65	B 42 D	15/00			55/00	137.1,137.2	F 16 L	39/00			47/00
4	B 42 D	3/04	66.1,66.2	B 42 D	11/00	41	F 16 L	53/00	138,139	E 21 B	19/00			49/00
4.1	B 42 D	1/00			12/00			55/00		F 16 L	21/00	290-297	F 16 L	47/00
5-14	B 42 D	19/00			12/02	42-44	E 04 B	5/48			25/00	298	F 16 L	27/12
15.1	B 42 D	1/00			15/00		E 04 D	13/00			55/00	299-301	F 16 L	15/02
		5/00	67-70	B 42 D	15/00			13/14	140-148	E 21 B	19/10	302,303	F 16 L	27/12
16	B 42 D	1/00	71	G 09 F	3/00	45	F 16 L	11/12		F 16 L	21/00			39/04
17	B 42 D	3/04	72	B 42 D	15/00			55/00	149	F 16 L	39/00			49/00
18	B 42 D	1/00			15/10	46	E 04 F	19/00			55/00			35/00
		5/00	73	B 42 D	15/00		F 16 L	5/00	150-156	F 16 L	41/00	304	F 16 L	37/00
19.1,19.2	B 42 D	3/04	74-80	B 42 D	15/00			55/00	157	F 16 L		305	F 16 L	37/00
20	B 42 D	1/00		G 09 C	3/00	47-50	F 16 L	11/12	158,159	F 16 L	3/04	306	F 16 L	37/06
		5/00	81-904	B 42 D	15/00			55/00			5/00			37/16
21.1	B 42 D	1/00				51	F 16 L	59/16			41/00	307-310	F 16 L	37/00
22	B 42 D	1/08						11/12	160	F 16 L	3/04	311	F 16 L	37/20
	B 42 F	5/00						27/04			5/00	312	F 16 L	37/00
23-28	B 42 D	1/00	U.S. Class 285					35/00			27/04			37/18
29	B 42 D	3/00	PIPE JOINTS OR COUPLINGS					59/16			41/00	313	F 16 L	37/00
30	B 42 D	3/00				52	F 16 L	11/12	161,162	F 16 L	3/04	314-316	F 16 L	37/18
		3/12	1,2	F 16 L	35/00			19/02			5/00	317-321	F 16 L	39/00
31,32	B 42 D	3/00			37/00			55/00			43/00	322-324	F 16 L	21/06
33	A 47 B	23/00			55/00	53,54	F 16 L	59/16	163,164	F 16 L	27/00	325,326	F 16 L	19/02
	B 42 D	3/00	3,4	F 16 L	35/00			11/12	165	F 16 L	15/02			25/00
34	B 42 D	3/04			37/00			21/00			27/12			33/22
35	B 42 D	3/00	5	B 05 B	15/00			55/00	166,167	F 16 L	27/04			37/26
		3/02		F 16 L	55/00			59/16	168	F 16 L	27/00			37/26
36,37	B 42 D	3/00	6	F 16 L	37/00	55	F 16 L	55/00	169-171	F 16 L	55/00	327	F 16 L	25/00
38	B 42 D	1/00			55/00			59/16	172	F 16 L	13/00	328-334.5	F 16 L	35/00
		5/00	7	A 47 L	9/24			59/16			47/02			17/00
39	B 42 D	1/00	8	E 03 C	1/00	56	E 03 D	11/00			55/00	335-338	F 16 L	19/00
40,41	B 42 D	5/00		F 16 L	21/00		F 16 L	11/12	173-176	F 16 L	55/00			21/02
42	B 42 D	9/00			55/00			55/00	177	F 16 L	25/00	339-343	F 16 L	17/00
43,44	B 42 D	17/00	9,19,2	F 16 L	25/00	57	E 03 D	11/00			55/00			19/06
45-50	B 42 D	3/00			55/00		F 16 L	51/02	178	F 16 L	55/00			19/08
		7/00	10,11	F 16 L	17/00	58-60	E 03 D	55/00	179-183	F 16 L	43/00			21/02
		17/00			25/00		F 16 L	55/00	184,185	F 16 L	27/00			17/00
51	B 42 D	3/18			55/00	61	F 16 L	3/00	187	F 16 L	55/00	344-362	F 16 L	17/00
			12	F 16 L	25/00	62	B 60 D	1/62	188	F 16 L				19/00
					55/00		F 16 L	3/00	189	F 16 L	5/00	363-368	F 16 L	33/18
			13,14	F 16 L	55/00			5/06			27/00			17/00
U.S. Class 282			15-17	F 16 L	55/00	63	B 61 G	5/06			41/00			19/00
MANIFOLDING					55/18		F 16 L	3/00	190	F 16 L	5/00			21/02
			18,19	F 16 L	35/00	64	F 16 L	3/00			27/00			23/00
1	B 41 L	1/00			55/00	65-79	B 60 D	1/62			41/00	369-377	F 16 L	17/00
		3/12	20	F 16 L	35/00		B 61 G	5/08	191-218	F 16 L	5/00			19/00
		5/16			41/04		F 16 B	23/00			41/00			21/02
2,3	B 41 L	1/20			55/00	80-82	F 16 L	35/00	219-221	F 16 L	5/00	378-380	F 16 L	17/00
4	B 41 L	5/00	21,22	F 16 L	13/02			55/00			15/00			19/00
5	B 41 L	5/04			35/00	83	F 16 L	33/16			41/00			21/02
6	B 41 L	5/00			47/02			35/00	222	F 16 L	41/00			33/18
7	B 41 L	5/04			55/00			55/00	223	F 16 L	27/10	381	F 16 B	4/00
8-12	B 41 L	1/20	23	B 65 D	57/00	84-92	F 16 J	15/00	224,225	F 16 L	21/02		F 16 L	25/00
13,14	B 41 L	5/00			59/00		F 16 L	55/00			27/10	382-382.7	F 16 L	13/14
15,16	B 41 L	5/04		F 16 L	55/00	93	F 16 L	35/00			51/00			19/04
17	B 41 L	5/00			57/00			55/00	226-229	F 16 L	21/00			19/08

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 285—Con.														
383-389	F 16 L	25/00	27,28	H 02 K	23/52	8	E 05 C	9/10	45-47	E 05 C	9/00	184-188	E 05 C	1/06
390	F 16 L	15/00		B 60 L	23/60			7/00			3/06			1/12
391	F 16 L	15/00		B 61 C	11/02			9/00			3/16	189	E 05 C	1/04
				F 02 N	11/04	9	E 05 C	7/00			7/00			1/10
392-393	F 16 L	37/00	29	B 60 L	11/02			9/00	48	E 05 C	9/10	190-193	E 05 C	1/02
394-396	F 16 L	25/00		H 02 K	23/60	10	E 05 C	7/00			3/06	194	E 05 C	3/02
397-402	F 16 L	21/00	30	B 60 L	11/02			9/00			3/16	195-201	E 05 C	3/06
403,404	F 16 L	21/00		F 02 N	11/08			19/06			7/00	202-204	E 05 C	3/04
		37/24	31-35	F 02 N	11/04	11	E 05 C	7/00	49,50	E 05 C	3/06	205	E 05 B	39/02
405-416	F 16 L	23/00		H 02 K	23/52			9/00			3/16			67/00
417-419	F 16 L	21/00		H 02 P	9/04			19/12			7/00	206,207	E 05 C	3/04
420,421	F 16 L	25/00	36	F 02 N	11/04	12	E 05 C	7/00			9/10	208	E 05 B	39/02
422-925	F 16 L	25/00		H 02 P	9/04			9/00	51	E 05 C	3/06			3/04
		35/00	37	F 02 N	11/06	13	E 05 C	7/00			3/16	209,210	E 05 C	3/04
		55/00		H 02 P	9/04			9/00			7/00	211	E 05 B	39/02
			38	F 02 N	11/00			19/06			9/12			3/04
				H 02 P	9/04	14	E 05 C	7/00	52,53	E 05 C	3/06	212	E 05 C	3/04
			39	H 02 K	23/60			9/00			3/16	213	E 05 C	3/02
				H 02 P	9/04			19/02			7/00			3/12
			40,41	F 02 N	11/06	15	E 05 C	7/00			9/10	214-217	E 05 C	3/06
				H 02 P	9/04			9/00	54	E 05 C	3/04			3/16
			42	F 03 B	13/10			19/04			3/14	218	E 05 C	3/04
					13/12	16	E 05 C	7/00			7/00			3/14
12	D 04 G	5/00		H 02 P	9/04			9/00			9/10	219	E 05 C	3/12
15	B 65 H	69/04	43	F 03 B	13/00			19/02	55	E 05 C	3/06	220-227	E 05 C	3/16
2	A 01 D	59/04			13/10	17	E 05 C	7/00			3/16	228	E 05 C	3/14
	B 65 H	69/04		H 02 P	9/04			9/00			7/00	229	E 05 C	3/02
3	D 03 J	1/16	44	F 03 D	9/00			19/02			9/10	230	E 05 C	3/02
4-16	B 65 H	69/04		H 02 P	9/04			19/06	56	E 05 C	9/12			3/12
16.5	B 65 H	69/04	45	B 60 L	11/02	18	E 05 C	7/00	57	E 05 C	5/02	231-237	E 05 C	3/06
	D 04 G	5/00		B 61 C	9/38			9/00	58	E 05 C	5/04			3/16
17	D 03 J	3/00	46	F 02 N	11/04			19/02	59,60	E 05 C	5/02	238	E 05 C	3/04
18.1	B 65 H	69/04		H 02 K	23/52	19,20	E 05 C	7/00	61	E 05 C	5/04			3/14
				H 02 P	9/04			9/00	62	E 05 C	5/02	239	E 05 C	3/02
			47	F 02 N	11/04			19/06	63-69	E 05 C	5/00			3/12
				H 02 P	9/04	21	E 05 B	65/10	70	E 05 C	19/02	240	E 05 C	3/02
			48	F 02 N	11/08			7/00	71	E 05 C	5/00	241	E 05 C	3/04
				H 02 P	9/04			9/00			19/02	242	E 05 C	3/14
			49	H 02 K	23/60	22,23	E 05 C	7/00	73	E 05 C	19/04	243	E 05 B	39/02
				H 02 P	9/04			9/00	74,75	E 05 C	19/02	244,245	E 05 B	15/00
1	H 02 P	9/04	50	B 60 L	11/12	24	E 05 C	7/00	76,77	E 05 C	19/06			17/00
2	B 60 L	1/02		H 02 P	9/04			9/00			19/10	246	E 05 C	19/10
	F 01 K	15/00	51	F 02 N	11/04			19/10	78,79	E 05 C	19/06	247	E 05 C	5/00
		17/02		H 02 P	9/04	25	E 05 C	9/10	80-87	E 05 B	17/20			19/14
	F 02 C	6/00	52	F 01 D	15/10			9/10	88		39/02	248-250	E 05 C	19/10
		6/18		F 02 C	6/00			19/10			63/18	251	E 05 C	5/04
				H 02 K	7/18	26	E 05 C	7/00			19/06	251.5	E 05 C	17/56
			53	H 02 P	9/04			9/16	89-91	E 05 C	19/06			19/16
				F 03 B	13/10			19/10	92-94	E 05 B	65/10	252	E 05 C	19/00
					13/12	27-31	E 05 C	7/00	95-103	E 05 C	19/10	253	B 65 D	33/30
			54	H 02 P	9/04			9/00	104	E 05 B	39/02			55/06
				F 03 B	13/00	32	E 05 C	1/00			67/00	254,255	E 05 B	15/00
			55	H 02 P	9/04			7/00			19/10			17/00
				H 02 P	9/04			9/00	105-108	E 05 C	19/10	256	B 65 D	45/00
					9/04	33-35	E 05 C	1/06	109-115	E 05 C	5/00	256.5	E 05 B	65/00
					9/04			1/12			19/12	256.6-256.67	B 65 D	45/30
					9/04			7/00	116-136	E 05 C	19/10			45/32
					9/04			9/10	137	E 05 C	1/02	256.69	B 65 D	45/30
					11/02	36	E 05 C	1/06	138-144	E 05 C	1/06			45/34
					9/38			1/12	145-147	E 05 C	1/04	256.71-258	B 65 D	45/30
			1-13	B 60 B	39/00			7/00	148	E 05 B	39/02			45/32
				B 61 C	15/00			9/16			67/00	259,260	E 05 C	19/18
				B 61 H	11/00	37,38	E 05 C	1/06			1/04	261	E 05 C	19/00
			14,15	B 60 B	39/00			1/12	149,150	E 05 C	1/04	262	E 05 C	17/04
			16-47	B 61 C	15/10			7/00	151	E 05 B	39/02	263	E 05 C	17/32
				B 07 B				9/10			1/04	264	E 05 C	17/36
			48			39	E 05 C	1/06	152,153	E 05 C	1/04	265-267	E 05 C	17/18
								1/12	154	E 05 B	39/02	268-270	E 05 C	17/16
								7/00			1/08	271-278	E 05 C	17/04
								9/12	155	E 05 C	1/06	279,280	E 05 C	19/00
						40,41	E 05 C	1/06	156	E 05 C	1/02	281	E 05 C	19/08
								1/12			1/08	282	E 05 B	39/02
								7/00	157-161	E 05 C	1/06			19/08
								9/10			1/12	283	E 05 C	19/08
						42	E 05 C	1/04	162	E 05 C	1/04	284	E 05 B	39/02
								1/10			1/10			19/08
								7/00	163	E 05 C	1/08	285	E 05 C	19/08
						43	E 05 C	9/10	164-174	E 05 C	1/12	286,287	E 05 B	39/02
								1/06	175	E 05 C	1/10			19/08
								1/12	176	E 05 C	1/12	288-298	E 05 C	19/18
								7/00	177-181	E 05 C	1/02	299-304	E 05 C	19/00
								9/10	182	E 05 C	1/06	305,306	E 05 C	17/02
						44	E 05 C	3/00	183	E 05 C	1/02			17/38
								7/00			1/08	307-326	B 65 D	27/30

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 296—Con.			5,6	A 47 D	13/04	273-282	A 47 D	13/10	486-488	A 47 C	22/48
	B 60 R	15/00		A 61 H	3/04		A 47 D	13/10		A 47 D	31/00
166	B 60 P	3/373	7-12	A 63 C	3/04	283	A 63 G	9/00		A 47 D	15/00
	B 60 R	15/00		A 47 C	13/00	284	A 47 C	27/00		B 60 R	21/00
167	B 60 P	3/377	13	A 47 D	11/00		A 47 C	3/00	U.S. Class 298		
	B 60 R	15/00	14,15	A 47 C	1/12	285-309	A 47 C	25/00	LAND VEHICLES, DUMPING		
168	B 60 P	3/335		A 47 C	9/06		B 60 N	2/02	U.S. Class 300		
	B 60 R	3/335	16-19	A 47 C	2/32	310	A 47 C	3/00	BRUSH, BROOM AND MOP MAKING		
	B 60 R	3/35		A 47 D	4/00	311-320	A 47 C	1/02	1	A 46 B	15/00
169-171	B 60 R	15/00		A 47 D	1/02			1/06	2	A 46 D	
172	B 60 P	3/39	20	A 47 C	3/02		A 61 G	1/00	3	A 46 D	3/06
	B 60 R	15/00		A 47 D	13/10		B 60 N	2/00	4	A 46 D	3/04
173	B 60 P	3/355	21-31	A 47 C	4/00	321	A 47 C	2/02	5	A 46 D	1/04
	B 60 R	3/39		A 47 D	1/02			1/06	6	A 46 B	3/16
174,175	B 60 R	15/00	32,33	A 47 C	3/02		A 61 G	1/12	7	A 46 D	1/04
176	B 60 P	3/39		A 47 D	13/10		B 60 N	15/00	8	A 46 B	3/00
177-180	B 60 R	15/00	34-44	A 47 C	4/00		A 47 C	2/00	9	A 46 D	1/08
	B 60 J	1/00		A 47 D	1/02	322-349	A 47 C	1/02	10,11	B 25 B	1/20
	B 60 K	7/00	45	A 47 C	4/28			1/06	12	A 46 D	7/00
	B 60 N	37/00	46-60	A 47 C	1/02		A 61 G	1/12	13-15	A 46 D	9/00
	B 60 N	2/00	61	A 47 C	13/00	350,351	A 47 C	15/00	16	A 46 D	9/00
	B 60 R	3/00	62-67	B 60 N	2/32		B 60 N	2/00	17	A 47 L	13/20
180.1-180.5	B 60 R	27/00	68-91	A 47 C	1/02		A 47 C	2/02	18	A 46 D	9/00
	B 60 J	1/00		A 61 G	15/00			1/14	19	A 46 D	3/08
	B 60 K	7/00	92-104	B 60 N	2/02	352	A 47 C	4/28	20	B 25 G	3/00
	B 60 N	37/00	105,106	A 47 C	13/00		A 47 D	15/00	21	A 46 D	
	B 60 N	2/00	107	A 47 C	17/04	353	A 47 D	1/10			
	B 60 R	27/00	108-115	A 47 C	13/00	354	B 60 N	2/02	U.S. Class 301		
	B 62 D	35/00		A 47 C	17/04		B 60 N	2/24	LAND VEHICLE, WHEELS AND AXLES		
181,182	B 60 J	37/02	116,117	A 47 C	13/00			2/30	1-2.5	B 60 B	37/00
	B 60 K	7/00	118	A 47 C	17/12	355-360	B 60 N	2/02	5	B 60 B	1/00
	B 60 N	37/00		B 60 N	2/32	361	B 60 N	2/02	5,3,5,7	A 63 C	17/22
	B 60 R	27/00	119-128	A 47 B	85/04	362-383	B 60 N	2/48	6	A 63 C	17/12
183	B 60 J	7/00	129,130	A 47 C	13/00	391-410	A 47 C	7/36		B 60 B	19/00
	B 60 K	10/00	131-133	A 47 C	13/00		A 61 G	15/00	7	B 60 B	1/00
	B 60 N	37/00		A 47 D	1/08		B 60 R	22/28	8	B 60 B	3/12
	B 60 N	2/00	134	A 47 D	1/10	411	A 47 C	7/54	9	B 60 B	1/00
	B 60 R	27/00	135-174	A 47 B	39/00		B 60 N	2/46	10	B 60 B	27/00
184	B 60 J	7/00		A 47 C	83/02	412,413	A 47 C	7/54		B 60 B	23/00
	B 60 K	37/00	175-179	A 47 C	9/04	414-417	B 60 N	3/02	11-29	B 60 B	23/00
	B 60 N	2/00	180	A 47 C	7/72		A 47 C	7/54	30-34	B 60 B	21/02
	B 60 R	3/00	181	A 63 G	31/00	418	B 60 N	2/44	35	B 60 B	25/00
185	B 60 J	27/00	182	A 47 D	9/10		A 47 C	5/02	36	B 60 B	11/00
	B 60 K	7/00	183	A 47 C	4/52	419-421	A 47 C	7/36	37	B 60 B	7/00
	B 60 N	10/00		A 47 C	31/00			7/54			
	B 60 R	37/00	184	A 47 C	7/62	422	A 47 C	7/54	14	E 21 C	37/20
	B 60 N	2/00	185,186	A 47 C	29/00	423-425	A 47 C	7/54	15-18	E 21 C	37/00
186-209	B 60 R	27/00	187	A 47 C	7/62	426	A 47 C	7/50		E 21 C	41/00
	B 60 J	7/00	188-194	A 47 C	7/62	427-437	A 47 C	16/04	19	E 21 C	41/16
	B 60 K	37/00	195	B 60 N	2/38	438,439	A 47 C	7/50	20	E 21 C	41/16
	B 60 N	2/00		B 62 J	1/00	440-444	A 47 C	7/00	7-9	E 02 F	7/00
210-215	B 60 R	27/00	196	B 62 J	1/02	445-451	A 47 C	1/12	10-13	E 21 C	37/00
	B 60 J	7/00	197	B 62 J	1/24			5/00			
	B 62 D	13/07	198	B 62 J	1/02			7/00			
		25/06	199,200	B 62 J	1/26			11/00			
216	B 60 J	25/07	201-203	B 62 J	1/00	452-460	A 47 C	7/02		E 21 C	45/00
		7/043	204-207	B 62 J	1/10	461,462	A 47 C	9/00	21,22	E 21 C	41/00
217	B 60 J	7/043	208-213	B 62 J	1/02			25/00	23	E 21 C	37/06
218	B 60 J	7/11	214	B 62 J	1/18	463	A 47 C	15/00	24-28	E 02 B	15/02
219	B 60 J	7/00	215	B 62 J	1/02			31/00	29	E 21 C	35/24
220	B 60 J	7/047	216	B 60 N	2/42	464	A 47 C	21/00	31,32	E 21 C	29/00
221	B 60 J	7/05		B 60 R	21/00		A 47 D	15/00	33	E 21 D	9/08
222	B 60 J	7/053	217	A 47 C	7/62		B 60 N	2/44			
223	B 60 J	7/057		A 47 C	31/00		A 47 C	31/00			
224	B 60 J	7/185	218,219	A 47 C	27/00	465-485	A 47 C	15/00			
900,901	B 62 D	29/00		A 47 C	31/00		A 62 B	35/00			
U.S. Class 297			220-222	A 61 G	15/00		B 60 R	21/00			
CHAIRS AND SEATS			223-229	A 47 C	27/00			22/04			
				A 47 C	7/02			22/12			
1-3	A 47 C	13/00	230,231	A 47 C	15/00			22/16			
	A 47 D	1/04	232-238	A 47 C	3/04			22/18			
4	A 47 C	1/00	239	A 47 C	15/00			22/34			
		9/00	240-249	A 47 C	1/08			22/36			
			250-256	A 47 C	1/10			22/46			
			257	A 47 D	15/00						
			258-272	A 47 C	3/02						

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 301—Con.			48	B 60 T	11/00			13/70		H 02 G	3/00			7/34
			49	B 60 T	11/10	118	B 60 T	8/00	10.7	H 02 H	7/18			7/36
104	B 60 B	1/00	50	B 60 T	15/04			8/38	10.8	B 60 L	1/14	51-53	H 02 J	1/10
		5/00	51	B 60 T	15/16			13/68	11	H 02 J	1/00			3/38
		9/26			17/20			13/70			3/00			7/34
105-110	B 60 B	27/00	52	B 60 T	15/06			15/08	12	H 02 J	1/08	54	H 02 J	1/00
111-122	B 60 B	27/02	53	B 60 T	13/00			15/12			3/00			3/00
		27/06	54	B 60 T	15/12			15/18	13	H 02 J	3/00			7/00
		37/00	55	B 60 T	15/08	119	B 60 T	8/00	14	H 02 J	3/26	55,56	H 02 J	1/12
123	B 60 B	19/00	56	B 60 T				8/36	15,16	H 02 J	1/00			3/00
		25/22	57	B 60 T	15/20			13/68			3/00			7/34
124-136	B 60 B	35/00			15/24			15/02	17	H 02 J	3/00	57-59	H 02 J	1/10
		37/00			15/34				18	H 02 J	1/10			3/00
			58	B 60 T	15/56						3/38	60	H 02 J	1/04
			59	B 60 T	13/18						7/34			3/10
			60	B 60 T	11/34				19	H 02 J	1/10			7/34
U.S. Class 303					15/36	U.S. Class 305					3/06	61	H 02 J	1/00
FLUID-PRESSURE BRAKE AND ANALOGOUS SYSTEMS			61	B 60 T	15/58	WHEEL SUBSTITUTES FOR LAND VEHICLES					3/00			7/00
			62	B 60 T	15/00						7/34	62	H 02 J	1/10
			63	B 60 T	7/12	1-3	B 62 D	57/02	20	H 02 J	1/10			1/10
1	B 60 T	17/00			13/00	4,5	B 60 B	15/18			3/06			3/38
2,3	B 60 T	13/74	64	B 60 T	15/38			57/02			3/46			7/34
4	B 60 T	13/46	65	B 60 T	15/56	6,7	B 62 D	55/00	21	H 02 J	1/12	63	H 02 J	1/00
		13/64	66	B 60 T	17/06			55/084			3/02			3/00
5-9.66	B 60 T	13/00	67	B 60 T	11/28	8	B 61 F	11/00			3/38			7/00
9.67,9.68	B 60 T	8/32			15/00	9,10	B 62 D	55/00	22	H 02 J	3/02	64-67	H 02 J	7/00
		13/00	68	B 60 T	15/02	11-13	B 60 S	1/62	23	H 02 J	1/10			9/00
9.69	B 60 T	8/18	69	B 60 T	15/32			25/16			3/38	68	H 01 F	1/00
		13/00	70	B 60 T	15/50			55/088			9/00			3/00
9.71-9.76	B 60 T	13/00	71	B 60 T	13/22	14	B 60 B		24	H 02 J	1/10			1/16
10	B 60 T	13/16	72	B 60 T	15/46			55/00			3/46			3/30
11	B 60 T	13/18	73	B 60 T	15/18			55/092	25	H 02 J	1/12			9/00
12	B 60 T	13/46	74	B 60 T	15/54	15	B 60 B	19/02			3/02	69-87	H 02 J	1/00
13	B 60 T	15/16	75	B 60 T	15/54			55/04			3/04			3/00
		17/02			17/16	16-18	B 62 D	55/10			3/38	89	H 04 B	3/28
14	B 60 T	11/20	76	B 60 T	15/06	19	B 62 D	55/07	26	H 02 J	3/02			3/30
15	B 60 T	7/00	77	B 60 T	11/32	20-32	B 62 D	55/14			3/04			3/32
		13/70			15/18	33	B 62 D	55/00			3/38			15/00
		15/14			15/54	34	B 60 B	19/06	27	H 02 J	3/02			9/00
16	B 60 T	7/12	78	B 60 T	13/14			5/00			3/34	90	H 05 K	3/28
17	B 60 T	13/68			13/26			55/00	28	H 02 J	1/10			3/30
18	B 60 T	7/16	79	B 60 T	15/00			55/247			3/00			3/32
		7/18	80	B 60 T	15/50	35-38	B 62 D	55/205	29	H 02 J	1/10			15/00
19	B 60 T	7/14	81	B 60 T	11/32	39-59	B 62 D	55/08			3/00			
20	B 60 T	13/66			15/00			55/21			1/10	91	H 05 K	3/28
		13/68			17/04			55/215			1/10			3/30
		13/70	82	B 60 T	17/04			55/253			3/00			15/00
		13/72	83	B 60 T	15/54			55/27	30	H 02 J	1/00			3/32
		15/14	84,1,84.2	B 60 T	15/46	60	B 60 B	19/00	31,32	H 02 J	1/00			9/00
22.1-22.8	B 60 T	8/18	85	B 60 T	11/34			55/00			3/00	95	H 05 K	59/40
24.1	B 60 T	8/32	86	B 60 T	11/26			57/00			3/00			7/28
25	B 60 T	13/62	87	B 60 T	17/04	900	B 62 D	55/20			3/00			31/34
26	B 60 T	17/04			17/08				33	H 02 J	1/00	96,97	H 01 H	47/02
27	B 60 T	15/18	89	B 60 R	25/08						1/04			7/22
		17/18			17/16						3/00			1/10
28	B 60 T	8/00	90	B 60 T	15/00						3/10			47/02
		10/00	91	B 60 T	8/32	U.S. Class 307			34,35	H 02 J	1/00			51/34
		15/18	92	B 60 T	8/88	ELECTRICAL TRANSMISSION OR INTERCONNECTION SYSTEMS					1/04	99	G 05 F	1/10
29,30	B 60 T	17/04	93	B 60 T	8/86						3/00			47/02
31	B 60 T	13/52	94	B 60 T	8/72	1	H 02 J	1/00	36	H 02 J	1/00			51/34
32	B 60 T	15/20	95	B 60 T	8/78			3/54			3/00			7/18
33,34	B 60 T	11/34	96	B 60 T	8/82			3/02	37-41	H 02 J	1/00	100	H 02 P	9/18
35	B 60 T	8/00	97	B 60 T	8/74			3/54			3/00			79/00
		15/12			8/80	2	H 02 J	3/02			3/14	101	H 02 H	
36	B 60 T	15/52	98	B 60 T	8/76			3/54			3/14			13/00
37	B 60 T	15/30	99	B 60 T	8/84	3	H 02 J	3/02	42,43	H 02 J	1/10			27/42
		15/44	100-102	B 60 T	8/58			3/34	44	H 02 J	1/10			9/12
38	B 60 T	15/42	103,104	B 60 T	8/60			3/54			3/38	102	H 02 J	3/24
39	B 60 T	11/26	105,106	B 60 T	8/70	4-8	H 02 J	1/00			7/34	103	H 02 J	1/00
		13/14	107	B 60 T	8/62			3/00	45	H 02 J	1/12			3/12
40	B 60 T	15/02	108	B 60 T	8/66			3/54			3/30	104	H 01 F	27/42
41	B 60 T	11/28	109	B 60 T	8/68	9.1,10.1	B 60 L	1/00			3/34			35/00
42	B 60 T	13/40	110,111	B 60 T	8/64			3/00			3/38			37/00
		13/52	112	B 60 T	8/00			3/00			5/00	105	H 02 J	1/02
		17/18			8/52			25/00			19/082			1/12
43	B 60 T	17/18	113	B 60 T	8/34	10.2	B 60 R	47/22			19/09			1/14
44	B 60 T	15/18			13/68	10.3	B 60 R	25/04			19/20	106-108	H 03 K	3/00
45	B 60 T	15/36			13/70			17/00	46	H 02 J	1/12			3/64
46	B 60 T	13/10			15/52			27/00			3/32	109	H 02 M	3/06
		13/12	114	B 60 T	8/44	10.4	B 60 R	25/04			3/34	110	H 02 M	3/18
		13/14	115	B 60 T	8/42			13/00	47	H 02 J	1/16	111	H 02 H	1/04
		13/16	116	B 60 T	8/40			27/00			3/30	112	H 01 H	
		13/18			13/70	10.5	B 60 R	25/04			3/38			1/24
		13/20	117	B 60 T	8/00			47/00	48,49	H 02 J	3/32			
47	B 60 T	15/46			8/48	10.6	B 60 R	22/00			7/34	113,114	H 01 H	19/64
	B 61 H	13/00			13/68			9/00	50	H 02 J	3/32			31/10

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 307—Con.			137,138	H 01 H	1/50			3/295	351	H 03 K	5/153	476	H 03 K	19/195
		33/52			1/60	272.2	H 03 K	3/289	352,353	H 03 K	5/159	477	H 03 K	19/091
		33/59			9/30	272.3	G 11 C	11/00	354	H 03 K	5/153			19/094
		47/00	139	H 01 H	33/00		H 03 K	3/01	355	H 03 K	5/22	478	H 03 K	19/00
		85/46			3/00	273,274	H 03 K	3/284	356	H 03 K	5/153			19/10
		1/24			9/54	275,276	H 03 K	3/30			5/22	479	H 03 K	19/00
	H 02 B	19/14			33/59	277	H 03 K	3/00	357	H 03 K	5/22	480	H 03 K	19/00
115	H 01 H	31/10			47/00			3/38	358-364	H 03 K	5/153			19/02
		33/59			85/46	278	H 03 K	3/00	400	G 11 C	13/02			19/096
		47/00	140	H 01 H	3/26	279	H 03 K	3/26	401	H 03 K	17/80	481	H 03 K	19/096
		85/46			3/28	280,281	H 03 K	3/33	402	G 11 C	11/20	482	H 03 K	19/01
		1/24			9/54	282	H 03 K	3/30	403	H 03 K	19/162			19/082
	H 02 B	35/00			33/59	283	H 03 K	3/335	404	H 03 K	17/56			19/094
116	H 01 H	83/00			47/00	284	H 03 K	3/35	405	G 11 C	11/20	482.1	H 01 L	25/00
		1/24			85/46	285	H 03 K	3/26	406	G 11 C	13/02	490	G 06 G	7/12
	H 02 B	35/00	141	H 01 H	7/00	286	H 03 K	3/00	407-411	H 03 K	17/80			7/18
117	H 01 H	35/14			43/00			3/315	412	H 01 F	27/42			7/26
		37/00	141.4,141.8	H 01 H	3/34	287	H 03 K	3/313	413	H 03 K	17/82	491	G 06 G	7/10
		47/24			33/59			3/35	414-418	G 11 C	13/02			7/12
		47/26	142	H 01 H	3/00	288	H 03 K	3/26	419-421	H 02 M	5/10		H 03 F	1/30
		1/24	143	H 01 H	3/26	289-292	H 03 K	3/29	422,423	G 11 C	13/02	492	G 06 F	7/556
	H 02 B	35/18			3/28	296.1-296.3	H 11 C	3/01	424	H 03 F	7/04		G 06 G	7/24
118	H 01 H	35/24			33/36	296.4,296.5	G 11 C	11/00	425-430	H 03 F	7/00	493	G 06 G	7/12
		35/42			33/38	296.6-296.8	H 03 K	5/00	440	H 03 K	19/00			7/163
		45/00			47/00	298	H 03 K	3/01			19/02		H 03 G	3/00
		1/24	144	H 01 H	3/24			17/84	441	G 06 F	11/16	494,495	G 06 G	7/12
	H 02 B	35/00			33/30	299.1-299.3	H 03 K	3/26		H 03 K	19/003		H 03 F	3/45
119	H 01 H	35/24			35/24			17/60			19/007	496	G 06 G	7/12
120	H 01 H	35/00	145	H 01 R	39/00			19/08	442	H 03 K	19/007		H 03 F	3/18
		35/06		H 02 J	11/00			23/40	443	H 03 K	17/16			3/45
		35/10	146	H 02 J				23/50			19/003		H 03 K	5/22
	H 02 B	1/24	147	H 01 B	7/30			23/58	444	H 01 L	29/78	497	G 06 G	7/12
121	H 01 H	35/00			11/02	300	H 03 K	3/33		H 03 K	19/08		H 03 F	3/16
		35/14			1/20			17/60	445	H 03 K	19/20			3/45
	H 02 B	1/24						19/08	446	H 03 K	19/02		H 03 K	5/22
122	H 01 H	1/24	148	H 02 G		301-303	H 03 K	3/26			19/08	498	G 06 G	7/12
		35/00	149	H 02 J				3/335			19/084		H 03 K	5/22
		35/06	150	H 02 J	7/00	303.1,303.2	H 01 L	25/00	447	H 03 K	19/04	499	G 06 G	12/00
		35/12			9/00	304	H 03 K	3/353			19/06			7/12
	H 02 B	1/24	151	H 02 M		305	H 03 K	3/35	448	H 03 K	19/017		H 03 F	3/00
123	H 02 B	1/24	152	H 02 J				17/72			19/094			5/00
124	H 01 H	35/00	153	H 02 J		306,307	H 03 K	3/38			19/20	500	G 06 G	7/12
	H 02 B	1/24		H 02 P	9/00	308	H 03 K		449-451	H 03 K	19/094		H 03 F	3/18
125	H 01 H	47/00	154-156	H 02 J		309	H 03 K	17/90			19/20	501	G 06 G	7/12
		83/00	157	H 02 J	9/02			19/18	452,453	H 03 K	19/096		H 03 F	3/16
	H 02 B	1/24	200.1	H 01 L		310	H 01 L	31/00			19/20	502	G 06 G	7/12
	H 02 H			H 03 K			H 03 K	3/26	454	H 03 K	19/013		H 03 F	3/12
126	H 01 H	35/00	201	H 03 K	19/08	311	H 03 K	3/42	455	H 03 K	19/086	503	G 06 G	7/12
		47/00			19/12			19/14			19/20		H 03 F	3/10
		83/18			19/20	313	H 03 K	3/26	456	H 03 K	19/088		H 03 K	17/74
	H 02 B	1/24	202.1	H 01 H	37/76			17/56			19/20	510	G 05 F	5/00
	H 02 H	3/02		H 02 H	7/20			19/08	457,458	H 03 K	19/084		H 03 K	5/26
		3/42	219	H 01 J	19/82	314	H 03 K	3/45			19/12		H 03 L	7/00
127,128	H 02 B	1/24	219.1	H 03 B	19/00			3/49			19/20	511	G 05 F	5/00
129	H 01 H	35/00	227	H 03 K	4/02			3/51	459	H 03 K	19/091		H 03 L	7/00
		47/20	228	H 03 K	4/08			19/16			19/20	512	G 01 R	11/20
		83/00			4/84	315,316	H 03 K	3/26	460	H 03 K	19/12		H 03 L	7/00
	H 02 B	1/24	231-236	H 03 K	5/22			17/56			19/20	513	H 03 K	5/13
	H 02 H	3/00	239-244	H 03 K	17/56			19/08	461	H 03 K	19/10		H 03 L	7/00
130	H 01 H	35/00	245	H 03 K	17/92	317.1,317.2	H 03 K	3/313	462	H 03 K	19/195	514-516	G 01 R	25/00
		47/00	246,247.1	H 03 K	17/56			3/33			19/20		H 03 K	5/26
		83/10	248-255	H 03 K	17/60			17/58			19/20	517	G 01 R	19/12
		83/12	256,257	H 03 K	17/74			17/74	463	G 11 C	8/00			29/02
		83/14	258	H 03 K	17/58			19/08		H 03 K	19/082		H 03 K	5/19
	H 02 B	1/24			17/70			19/12			19/094	518	G 01 R	19/145
	H 02 H	3/14	259	H 03 K	17/74			23/80	464	H 03 K	19/23			23/00
		3/20	260	H 03 K	4/00	318	H 03 K	3/26	465	G 06 F	7/38	519	G 01 R	23/06
		3/24			5/01			19/08		H 03 K	19/173		H 03 K	5/19
		3/26			6/00	319	H 03 K	3/33	465.1	H 01 L	25/00	520,521	H 03 B	1/00
131	H 01 H	35/00	261,262	H 03 K	5/00			17/74	466	G 06 F	7/38		H 03 K	5/00
		47/00	263	H 03 K	5/12			19/08		H 03 K	19/082		H 04 B	1/10
		83/02			6/04			19/12			19/173	522-524	H 03 D	3/00
		83/06	264	H 03 L	5/00	320,321	H 03 K	3/26	467	G 06 F	7/38		H 03 K	9/06
		83/08	265-267	H 03 K	3/017			17/58		H 03 K	19/086	525-528	H 03 D	13/00
		83/14			5/04			19/08			19/173		H 03 K	9/06
	H 02 B	1/24	268	H 03 K	5/01	322-325	H 03 K	4/787	468,469	G 06 F	7/38		H 03 L	7/00
	H 02 H	3/08			12/00	326	H 02 H			H 03 K	19/094	529	G 06 G	7/00
		3/12	269	H 03 K	5/13	327	H 02 H	1/04			19/173		H 03 B	19/00
		3/16		H 03 L	7/00			3/22	470	H 03 K	19/02	530	G 01 R	19/00
		3/18	270	H 03 K	3/01			1/02			19/20		G 11 C	7/00
		3/26			3/26			15/02	471,472	G 06 F	7/50		H 03 F	3/45
132	H 01 H	47/00	271	H 03 L	7/00	328	H 02 H			H 03 K	19/21	540	H 01 P	1/22
134	H 01 H	51/34	272.1	H 03 K	3/284	350	H 03 K	5/153	473,474	H 03 K	19/00		H 03 F	1/26
135	H 01 H	9/30			3/286			5/159			19/02		H 03 K	5/08
					3/29			5/22	475	H 03 K	19/0175		H 03 L	5/00

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U.S.			IPC			U.S.			IPC			U.S.			IPC			U.S.			IPC			
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	
U.S. Class 307—Con.																								
				H 02 K	35/00	128		H 02 K	13/00	188,189		H 02 K	1/00											19/00
					33/00				47/08				3/00											21/00
	H 04 B	1/64			35/00				47/16				19/26											23/26
541	G 05 F	3/00	39	H 02 K	33/10				47/28				21/00											27/02
	H 03 K	5/08			33/14	129,130		H 02 K	13/00				23/02	209		H 02 K	1/06							1/06
542	H 03 B	1/04	40	H 02 K	35/00				47/08	190		H 02 K	1/00											17/00
	H 03 K	5/00	40.5	H 02 K	7/00				13/04				3/00											19/00
	H 04 B	1/10	41	H 02 K	7/10				23/50				19/26											21/00
542.1		15/00	42	H 02 K	15/00				27/16				21/00											23/44
	H 03 B	1/04	43	H 02 K	1/04	143-147		H 02 K	27/24				23/46											27/02
	H 03 K	5/00	44,45	H 02 K	15/12	148-151		H 02 K	13/02	191-194		H 02 K	1/00	210		H 02 K	3/04							3/04
		17/56	46	H 02 K	37/00	152		H 02 K	13/00				3/00											17/16
	H 04 B	1/10	47	H 02 K	7/14				21/00				19/26											17/22
		15/00			37/00	153		H 02 K	23/04				21/00											19/14
543-551	H 03 B	1/04	48	H 02 K	37/24	154		H 02 K	21/22				23/40											21/00
	H 03 K	5/00	49	H 02 K	37/00				21/26	195		H 02 K	1/00											23/20
	H 04 B	1/10	50	H 02 K	7/14				21/38				3/00											27/06
552-554		15/00	51	H 02 K	5/24	155		H 02 K	23/04				17/00	211		H 02 K	17/16							17/22
	H 03 K	5/08	52,53	H 02 K	9/00	156		H 02 K	21/38				19/00											17/42
	H 03 L	5/00	54	H 02 K	9/00	157		H 02 K	21/12				21/00											17/22
555,556	H 03 B	19/00			9/20	158		H 02 K	23/64				27/02	212		H 02 K	19/14							17/18
	H 03 K	3/01	55	H 02 K	9/00	159		H 02 K	17/00	196		H 02 K	1/00											17/20
		3/04	56	H 02 K	9/26				19/00				3/40											17/42
557-561	H 03 K	5/08	57	H 02 K	9/08				21/00				17/00	213		H 02 K	3/14							3/14
	H 04 B	3/00	58,59	H 02 K	9/00				27/00				19/00											3/20
562-568	H 03 K	5/08	60	H 02 K	9/00				29/00				21/00	214		H 02 K	3/48							3/48
570	H 03 K	17/60			9/06				33/04				23/26	215		H 02 K	3/34							3/34
571-585	H 03 K	17/687			1/32				39/00				27/02	216		H 02 K	1/00							1/00
590-608	H 03 K	5/13	61	H 02 K	9/00				47/00	197		H 02 K	1/00	217		H 02 K	1/06							1/06
		5/159			9/06				49/00				3/00	218		H 02 K	1/18							1/18
		17/28	62,63	H 02 K	9/00	160		H 02 K	47/18				17/16											1/28
630	H 03 K	17/292			9/06				47/22				19/00	219		H 01 R	39/00							39/00
		17/56	64,65	H 02 K	1/32	161		H 02 K	47/18				21/00											13/00
631	H 03 K	17/56			3/24				47/30				23/26	220-222		H 01 R	39/46							39/46
632,633	H 03 K	17/72			5/18	162		H 02 K	19/00				27/06											13/06
634	H 03 K	17/56			5/20				21/00	198,199		H 02 K	1/00											13/10
635	H 03 K	17/80			9/00	163,164		H 02 K	19/00				3/00											13/14
636	H 03 K	17/292	66,67	H 02 K	7/00				21/04				17/00	223		H 01 R	39/52							39/52
		17/56			11/00	165		H 02 K	19/12				19/00											1/10
637	H 03 K	17/72			11/00				19/26				21/00											3/16
638-646	H 03 K	17/51	68-73	H 02 K	7/02	166		H 02 K	17/00				23/26											3/20
647	H 03 K	17/13	74	H 02 K	7/10	167		H 02 K	17/00				27/02											23/22
648	H 03 K	17/51	75-79	H 02 K	7/06				27/10	200		H 02 K	3/00											23/24
			80-84	H 02 K	7/10	168-171		H 02 K	17/42				17/00											27/22
			85-88	H 02 K	5/10				19/20				19/00	224		H 01 R	39/04							39/04
					5/12				19/24				21/00											1/10
			89	H 02 K	5/00	172		H 02 K	17/10	201		H 02 K	3/04											3/16
			90	H 02 K	5/16	173		H 02 K	27/00				17/00											3/20
					7/08	174,175		H 02 K	27/04				19/00											13/14
			90.5	H 02 K	7/09	176		H 02 K	27/06				21/00											23/22
1	G 09 B	23/18	91	H 02 K	5/00				27/10				23/26											23/24
		25/02	92-95	H 02 K	49/00	177		H 02 K	23/00				27/02											27/22
	H 02 K			H 02 P	15/00				31/00	202		H 02 K	3/04	225		H 01 R	39/04							39/52
10	H 02 K		96-100	H 02 K	7/10	178		H 02 K	31/00				17/00											39/04
11	G 21 D	7/02			49/00	179		H 02 K	1/00				19/00											1/10
	H 02 K	44/00			15/00				3/00				21/00											3/16
12-14	H 02 K	41/00	101	H 02 K	49/00				1/00				23/28											3/20
15	H 02 K	33/00			15/00	180-182		H 02 K	3/00				27/02											13/14
		35/00	102	H 02 K	49/00				19/26	203		H 02 K	3/04											23/22
16	H 02 K	9/00			51/00				21/00				17/00											

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation		
U.S. Class 310—Con.						205	A 47 B	45/00	293	A 47 B	97/00	37-41	H 01 K	1/58		
236	H 01 R	39/04	45,49	A 47 F	1/00			53/00			77/18		H 01 J	1/02		
	H 02 K	13/04			3/02	206,207	A 46 B	17/00			81/00			61/52		
237	H 01 R	39/06		B 65 D	83/04		A 47 G	29/08			97/00		H 01 K	1/58		
	H 02 K	13/04		B 65 G	1/16	208	A 47 B	21/00		A 47 F	3/06	42-46	H 01 J	1/02		
238,239	H 01 R	39/38			57/20	209	A 47 B	81/00	294	A 47 B	88/00			7/24		
	H 02 K	13/00			59/00		A 61 B	19/02	295	A 47 B	95/00			61/52		
240	H 01 R	39/42	50,59	A 47 F	1/00		A 61 C	19/02	296	A 47 B	96/00		H 01 K	1/58		
	H 02 K	13/00		B 65 H	1/00	210	B 01 L	9/02			9/15	47	H 01 J	1/02		
241	H 01 R	39/44	60,61	A 47 F	1/00	210.5	A 47 B	81/00	297	E 06 B				7/24		
	H 02 K	13/00		B 65 G	11/00		A 47 J	43/22	298,299	E 04 B				61/52		
242	H 01 R	39/38		B 65 H	1/00	211,212	A 47 B	81/00	300-303	A 47 B	88/00	48	H 01 J	5/48		
	H 02 K	13/00	71	A 47 F	1/00		A 47 G	29/14			95/00	49-51	H 01 J	5/48		
243	H 01 R	39/38		B 65 G	1/16		B 65 D	91/00	304	A 47 B	88/00			5/50		
		39/42	72,73		11/00	213	A 47 B	75/00	305	A 47 B	95/00	52	H 01 J			
		39/44		B 65 D	83/02			81/00	306	A 47 B	57/00	53	H 01 K	27/00		
	H 02 K	13/00			83/04	214		97/00			88/00	54	H 01 J	7/40		
244	H 01 R	39/38		B 65 G	57/20		A 47 B	81/00	307	A 47 B	88/00			17/32		
	H 02 K	13/00			59/00	215	F 25 D	11/00			95/00	62		65/08		
245-247	H 01 R	39/40	86	B 65 G	59/00	216,217	E 05 B	65/46	308-311	A 47 B	88/00	93	H 05 H			
	H 02 K	13/00		C 06 F	5/00		E 05 C	9/10	312	A 47 B	51/00	103-107	H 01 J	47/00		
248	H 01 R	39/18	91-97.1	A 47 F	1/00	218	E 05 B	53/00			57/00	107.5	H 01 J	43/00		
	H 02 K	13/00		B 65 G	15/00	219	E 05 B	65/46			88/00	110-117	H 01 J	31/14		
249	H 01 R	39/36			17/00	220-222	E 05 C	7/06	313-316	A 47 B	77/10			5/16		
	H 02 K	13/00			19/00	223	A 47 B	77/08			88/00		H 01 K	61/40		
251	H 01 R	39/24	100,101	A 47 B	81/00			81/00	317	A 47 B	88/00			1/26		
	H 02 K	13/00	102	A 47 B	81/00	224-227	A 47 B	67/00	318,319	A 47 B	88/00	118	F 02 M	1/30		
252	H 01 R	39/20		A 47 F	3/00		A 47 G	1/00			95/00		F 02 P	57/06		
	H 02 K	13/00	107	A 47 B	77/00	228	G 02 B	5/08	320	A 47 B	88/00		H 01 T	13/00		
253	H 01 R	39/26			87/00		A 47 B	77/06			95/02	119	H 01 T	13/00		
	H 02 K	13/00	107,5,108	A 47 B	87/00	229	A 47 K	1/04	321	A 47 B	88/00	120	F 02 M	57/06		
254-259	H 02 K	1/12	109,110	E 06 B			A 47 L	19/02			95/00		H 01 T	13/02		
260	H 02 K	3/46	111	F 16 B	12/00		E 03 C	1/18	322-324	A 47 B	88/00	121	H 01 T	13/56		
261-268	H 02 K	1/22	114,115	A 47 F	3/00	229	A 47 B	77/06	325	A 47 B	88/00	122	H 01 T	13/24		
269	H 02 K	1/24	116	A 47 F	3/04		A 47 F	9/00			95/00	123,124	H 01 T	13/46		
270	H 02 K	3/46		F 25 D	11/00	230	A 47 B	97/04	326	A 47 B	49/00	125,126	H 01 T	13/14		
271	H 02 K	3/48	117	A 47 F	3/00	231,232	A 47 B	27/00			88/00			13/24		
272	H 02 K	1/00	118-121	A 47 F	3/14			63/04	327-330	A 47 B	88/00	127	H 01 T	13/02		
		3/00	122-124	A 47 F	3/00	233	A 47 B	41/06	331-351	A 47 B	88/00			13/14		
273	H 02 K		125	A 47 F	3/10			63/00			95/00	128	H 01 T	13/22		
300	H 02 N		126,127	A 47 F	3/14	234-234.5	A 47 B	65/00	352	A 47 B	97/00	129	H 01 T	13/48		
301-305	G 21 H	1/00	128-133	A 47 F	3/06		B 42 F	81/00				130-132	H 01 T	13/02		
306,307	H 02 N	10/00	134	A 47 F	3/08		A 47 B	21/00				133	H 01 T	13/28		
308,309	H 02 N	1/00	135	A 47 F	3/10	235	A 47 B	83/00	U.S. Class 313					134	H 01 T	13/05
310	H 02 N	1/04	136	A 47 F	3/06	236	A 47 B	77/08	ELECTRIC LAMP AND DISCHARGE					135	H 01 T	13/04
311-371	H 01 L	41/04	137	A 47 F	9/00	237	A 47 F	3/04	DEVICES					136-143	H 01 T	13/20
		41/08	138,139	A 47 F	3/00	238,239	A 47 B	83/00				144,145	H 01 T	13/22		
		41/18		E 06 B				81/00						13/34		
	H 02 N	2/00	140	A 47 F	3/00			97/00	1	H 01 J				13/36		
				F 16 B	12/00	240,241	A 47 B	85/00		H 01 K		146-152	H 01 J	1/02		
			140.1-140.4	A 47 B	96/18	242	A 47 B	67/02	2.1	H 01 J	31/00			1/44		
				A 47 F	9/00	243	A 47 B	91/00	3	H 01 J				1/52		
			183	A 47 B	63/00			95/00		H 01 K				1/88		
					97/02			96/00	5,6	H 01 J	13/00			21/22		
				B 42 F	17/00	244	A 47 B	95/02			17/00	153-162	H 01 J	35/28		
1	A 61 G	11/00	184	A 47 B	63/00	245-248	A 47 B	67/02			21/00			1/50		
3-6	E 04 H	1/12		B 42 F	15/00		A 47 F	5/08	7	H 01 J	7/16			3/20		
7.1,7.2	A 47 B	5/00	185-187	A 47 B	63/00	249-251	A 47 B	91/00	8	H 01 J	61/96			3/32		
		81/06		B 42 F	9/00	252	A 47 B	49/00	9	H 01 J	1/20			23/10		
8-19	A 47 B	81/06			17/00	253-256	A 47 B	91/00	10	H 01 J	7/24			29/76		
	A 47 F	1/04	188	A 47 B	63/00			95/00	11	H 01 J	1/02	163-167	H 01 J	13/00		
	G 11 B	33/02		B 42 F	17/00	257-262	A 47 B	43/00			7/24	168,169	H 01 J	13/56		
20	A 47 B	81/00	189	A 47 B	63/00			47/00			61/52	170,171	H 01 J	13/34		
	G 03 B	17/56		B 42 F	13/00	263-265	A 47 B	47/00		H 01 K	13/00	172	H 01 J	13/00		
		21/54			17/00	266-269	A 47 B	49/00		H 01 T	13/00	173	H 01 J	13/12		
21-30	A 47 B	81/00	190-192	A 47 B	63/00			77/16	11.5	H 01 J	1/02	230	H 01 J	27/00		
31-31.3	A 24 F	25/00		B 42 F	17/00			3/08	12-14		7/24	231.01-231.71	H 01 J	17/26		
	A 47 B	81/00	193	A 47 B	63/00			5/00			61/52			61/28		
	B 01 F	3/06		B 42 F	7/00	270	A 47 B	51/00		H 01 K	1/58	232	H 01 J	7/00		
33	A 47 G	33/00	194-197	A 47 B	17/00	271-276	A 47 B	81/00	15	H 01 J	1/02	233	H 01 J	21/00		
35,36	A 47 F	1/00			17/00			97/00			7/24	234	H 01 J	11/00		
		3/02			19/00	277	A 47 B	83/00			1/10			65/00		
	B 65 B	59/00			27/00	278-281	A 47 B	81/00			61/52	235	H 01 J	1/00		
	B 65 G	1/04	198-202	A 47 B	41/00			97/00	17-28	H 01 J	1/02	236	H 01 J	1/00		
		69/00			53/00	282	A 47 B	77/10			7/24			9/02		
	F 25 D				77/00	283	A 47 B	81/00			61/52	237	H 01 J	1/00		
	G 07 F				87/00			97/00		H 01 K	1/58	238	H 01 J	1/00		
37	B 65 H	19/00	203	A 47 B	95/00	284	A 47 B	81/00	29	H 01 J	1/02			19/00		
		49/00			53/00			97/00	30-34	H 01 J	1/02					
38-41	B 65 H	19/00			77/00			97/00			7/24	239	H 01 J	1/52		
42,43	A 47 F	1/00			83/04			19/32			61/52	240,241	H 01 J	1/53		
		3/02	204	A 47 B	95/00	285-290	A 47 B	23/00			1/58	242	H 01 J	1/52		
	B 65 D	83/08			17/04	291,292	A 47 B	81/00	35,36	H 01 J	7/26	243-268	H 01 J	1/88		
	B 65 G	1/16			97/00			81/00			61/52			19/42		

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 313—Con.														
269	H 01 J	1/18			1/52	567	H 01 J	11/00	21-25	H 05 B	31/02	39.55-39.63	H 01 J	25/50
		19/12			17/04			17/00	26-30	H 05 B	31/24	39.65	H 01 J	25/58
270	H 01 J	1/94			17/12			61/00	31-33	H 05 B	41/14	39.67	H 01 J	25/50
		19/48			19/38			61/28	34,35	H 05 B	31/06	39.69	H 01 J	23/22
271-273	H 01 J	1/88	351	H 01 J	1/02	568	H 01 K	1/50	36-38	H 05 B	31/48	39.71,39.73	H 01 J	25/50
		19/42	352-355	H 01 J	1/02		H 01 J	17/20	39-43	H 05 B	31/18	39.75	H 01 J	25/587
	H 01 K	1/18			1/14	569	H 01 K	1/50	44	H 05 B	31/06	39.77	H 01 J	25/50
274	H 01 J	1/96			1/38	570-577	H 01 J	17/20	45-50	H 05 B	31/40	40-75	H 01 J	7/44
		19/50			1/48			61/12	51-66	H 05 B	31/18			13/46
	H 01 K	1/18			13/08	578,579	H 01 K	1/50	67	H 05 B	31/22			17/34
275-277	H 01 J	1/90			19/06	580	H 01 K	1/26	68-77	H 05 B	31/18			19/78
		19/44			19/30			1/42	78	H 05 B	31/22			23/16
	H 01 K	1/18		H 01 K	1/04			1/50	79-104	H 05 B	31/18		H 01 K	1/62
278,279	H 01 J	1/94	356,357	H 01 J	1/00	581	H 01 J	17/00	105-111	H 05 B	31/22	76	H 01 K	7/00
		19/48			17/04	582-587	H 01 J	61/00	112	H 05 B	31/18	77	B 60 Q	
	H 01 K	1/18			19/00	588	H 01 J	17/49	113-128	H 05 B	31/22	78-80	B 60 Q	1/26
281	H 01 J	1/88	358	H 01 J		589	H 01 J	17/00	129	H 05 B	31/02	81	B 60 Q	1/34
		19/42		H 01 K		590	H 01 J	17/48	130	H 05 B	31/18	82,83	B 60 Q	1/02
	H 01 K	1/18	359.1-363.1	H 05 H				17/00	131	H 05 B	31/30	84	B 60 Q	7/00
282-290	H 01 J	1/96	364	H 01 J	29/00	591	H 01 J	61/00	132-134	H 05 B	31/18	84.51,84.61	H 01 J	17/36
		19/50	365-390	H 01 J	31/00	592,593	H 01 J	17/50	135	G 05 F	1/02	85	H 01 J	1/52
	H 01 K	1/18			31/26	594	H 01 J	17/44	136	H 05 B				5/02
291	H 01 J	1/88	391-401	H 01 J	31/48			17/30				86	H 05 B	37/00
		19/42	402-408	H 01 J	29/80	595-603	H 01 J	17/46				87-93	H 05 B	39/10
292	H 01 J	1/88	409-417	H 01 J	29/50			61/54	U.S. Class 315					41/46
		19/42	418,419	H 01 J	31/02	604	H 01 J	17/00	ELECTRIC LAMP AND DISCHARGE			94-99	H 05 B	39/00
	H 01 K	1/18	420	H 01 J	33/00			17/42	DEVICES, SYSTEMS			100	H 05 B	41/14
293-304	H 01 J	1/46	421-431	H 01 J	29/70	605,606	H 01 J	17/00	1	H 01 J	23/34	101-103	H 05 B	39/00
		21/10	432-439	H 01 J	29/74	607	H 01 J	11/00	3	H 01 J	29/98	104	H 05 B	41/14
305	H 01 J	1/20	440	H 01 J	29/70			61/06			29/96	105	H 05 B	41/36
		1/42	441-460	H 01 J	29/46	608	H 01 J	65/00	3.5,3.6	H 01 J	25/34	106,107	H 05 B	39/00
		13/18	461-463	H 01 J	29/10			11/00	4.5	H 01 J	25/00			41/14
306-308	H 01 K	11/00	464	H 01 J	29/16	609-616	H 01 J	17/02	5.11,5.12	H 01 J	25/02	108,110	H 01 J	13/28
	H 01 J	1/46	465	H 01 J	29/12			61/06	5.13	H 01 J	25/50			17/22
309	H 01 J	1/02	466-476	H 01 J	29/10	617	H 01 J	17/30	5.14-5.17	H 01 J	25/02	111.01-111.91	H 01 J	7/24
310	H 01 J		477-482	H 01 J	31/00			61/54	5.18-5.28	H 01 J	25/12		H 05 B	31/26
311	H 01 J	1/05	483-512	H 01 J	1/62	618	H 01 J	17/06	5.29	H 01 J	25/14	112-114	H 01 J	7/24
		1/14	513	H 01 J	63/04			61/09	5.31	H 01 J	25/18			13/32
		1/38	514-521	H 01 J	19/00	619	H 01 J	17/00	5.32	H 01 J	25/02			17/28
		1/48	522	H 01 J	21/00			61/64	5.33	H 01 J	23/08			19/74
312	H 01 J	19/06	523,524	H 01 J	40/00	620-622	H 01 J	17/04	5.34,5.35	H 01 J	23/18	115,116	H 01 J	61/52
		5/02			40/16			61/04	5.36,5.37	H 01 J	23/02			7/24
313	H 01 J	19/54	525-530	H 01 J	31/50	623-625	H 01 J	17/18	5.38	H 01 J	25/10			13/32
		1/52			40/18			61/36	5.39-5.49	H 01 J	23/20	117,118	H 01 J	61/52
314	H 01 J	19/40	531	H 01 J	40/16	626	H 01 J	17/02	5.51-5.54	H 01 J	25/00			7/24
315,316	H 01 K	7/00	532	H 01 J	43/04	627,628	H 01 J	61/02	7	H 01 J	29/06			13/32
317	H 01 J	5/00	533	H 01 J	43/18			17/04	8	H 01 J	31/06			17/28
318	H 01 J	5/48	534,535	H 01 J	43/20	629,630	H 01 J	61/06	8.51	H 01 J	31/58			19/74
		5/50	536	H 01 J	43/26			17/06	8.61	H 01 J	31/60			61/52
323	H 01 J		537	H 01 J	40/00	631-633	H 01 J	61/06	9	H 01 J	29/98	119-128	H 05 B	37/00
324	H 01 J	5/02			40/16			17/04	10	H 01 J	31/26			41/00
		19/42	538	H 01 J	40/10	634	H 01 J	61/04	11	H 01 J	31/48	129-136	H 01 J	1/60
325	H 01 J	17/00	539,540	H 01 J	40/00			61/30	12.1	H 01 J	29/41			7/42
		21/00			40/16	635	H 01 J	17/16	13.1,13.11	H 01 J	29/56			37/04
326	H 01 J	1/00	541	H 01 J	40/06			61/35	14-16	H 01 J	29/46	137-148	H 05 B	41/16
	H 01 K	1/02	542	H 01 J	40/06	636	H 01 J	17/16			29/56			41/24
327	H 01 J	1/02	543	H 01 J	40/06			61/30	17	H 01 J	29/70	149-159	H 05 B	37/02
328	H 01 J	1/06			40/18	637	H 01 J	17/20	30	H 01 J	29/52			39/04
329	H 01 J	1/53	544	H 01 J	40/06			61/12	32,33	H 01 J	7/44			41/36
		29/08	545-547	H 01 J	17/22	638	H 01 J	17/20			13/46	160-168	H 05 B	37/00
		31/26			19/70			61/18			17/34			39/00
		31/58			61/24	639-642	H 01 J	17/20			19/78	169.1-169.4	G 09 G	3/10
331-335	H 01 J	5/50		H 01 K	1/52			61/20			23/16	170-177	H 05 B	37/00
336	H 01 J	1/16	548	H 01 K	1/54	643	H 01 J	17/20		H 01 K	1/62			39/00
		19/10	549	H 01 J	17/24			61/16	34	H 01 Q	1/26	178-183	H 05 B	35/00
337-339	H 01 J	1/20			19/70				35-38	H 01 J	7/44			37/00
		19/14			61/26						13/46			41/00
340	H 01 J	1/24	550,551	H 01 J	17/26						17/34	184-193	H 05 B	37/00
		19/18			61/28						19/78			39/00
341-343	H 01 J	1/15	552	H 01 J	17/22						23/16			41/00
		19/08			19/70						29/96	194-199	G 05 F	1/00
	H 01 K	1/02			61/24						1/62			37/02
344	H 01 J	1/16	553-556	H 01 J	17/24						7/46			39/04
		19/10			19/70						19/80			41/36
	H 01 K	1/14			61/26						25/34	200-208	H 05 B	37/00
345,346	H 01 J	1/14	557	H 01 K	1/54						25/50			39/00
		19/06	558-561	H 01 J	17/24	1-6	H 05 B	41/46	39	H 01 J	23/36			41/14
	H 01 K	1/04			19/70	7,8	H 05 B	41/14			25/50			37/02
347	H 01 J	1/20			61/26	9	H 05 B	31/34	39.3	H 01 J	23/36			37/00
		19/14			17/24	10-19	H 05 B	41/14	39.51	H 01 J	23/36			41/14
348-350	H 01 J	1/46	562	H 01 J	17/26	20	H 05 B	31/28	39.53	H 01 J	25/50	209-226	H 05 B	37/02
			563-566	H 01 J	17/26									

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ELECTRIC LAMP AND DISCHARGE DEVICES, CONSUMABLE ELECTRODES

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 315—Con.				H 01 J	29/70			7/74			5/46			7/32
		39/04			29/76			7/80			7/34			7/66
227-245	H 05 B	41/36	409	G 09 G	1/04	47	H 02 K	17/36			7/74	151-153	H 02 P	5/20
		37/00		H 01 J	29/70		H 02 P	1/54			7/80			5/22
		39/00			29/74			5/46	101	H 02 P	1/54			7/14
246-287	H 05 B	41/14	410	G 09 G	1/04			7/68	102	H 02 P	1/58			7/32
		41/16		H 01 J	29/74			7/74	103,104	H 02 P	1/54			7/34
288-290	H 05 B	41/24	411	H 01 J	29/70			7/80	105-113	H 02 P	5/46			7/66
		37/00				48	H 02 K	17/34			7/68	154	H 02 P	5/26
		39/00					H 02 P	1/54			7/74			7/14
		41/14						5/46			7/80			7/32
U.S. Class 318								7/74	114	H 02 K	33/00			7/34
ELECTRICITY, MOTIVE POWER SYSTEMS								7/80		H 02 P	1/00			7/66
291-311	G 05 F	1/00				49,50	H 02 P	7/67			3/00	156-158	H 02 P	5/20
	H 05 B	37/02				51	H 02 P	1/54			5/00			5/22
		39/04	1,2	H 02 K	7/00			5/46			7/00			7/14
		41/36		H 02 P				7/68	115	H 02 K	7/06			7/32
312-325	H 05 B	37/00	3,4	H 02 K	7/14			7/74		H 02 P	1/00			7/34
		39/00		H 02 P				7/80			3/00			7/66
		41/00	5	H 02 K	7/14			15/08			5/00	159	H 02 K	7/10
326-358	H 01 J	11/04		H 02 P	1/54	52	B 61 C	15/12			7/00			17/32
		13/48			5/46			5/46	116	H 02 N				23/68
		15/04			7/68			7/68	117	H 02 N	10/00			27/30
		17/36			7/74			7/74	118	H 02 N	2/00			29/00
		37/00	6	B 65 H	59/38			7/80	119	H 02 K	33/00	160	H 02 K	7/10
		39/00			77/00			1/54		H 02 P	1/00			17/32
359	H 01 K	13/00	7	H 02 P	59/38	53-65	H 02 P	3/00			3/00			23/68
	H 05 B	39/00		B 65 H	77/00			5/46			5/00			27/30
360,361	H 05 B	37/02		H 02 P	1/54			7/68			7/00	161	H 02 K	7/02
		39/04			5/46			7/74	120	H 02 K	1/00	162-164	B 23 Q	35/00
		41/36			7/68			7/80		H 02 P	3/00			35/14
362	H 05 B	37/02			7/74	66,67	H 02 P	5/46			5/00			19/02
		39/06	8	H 02 K	7/14			7/08			7/00			7/18
		41/04		H 02 P	1/54			7/68			33/00			7/38
		41/18			5/46			7/74	121	H 02 K	41/00	244	H 02 K	27/00
363	H 05 B	37/00			7/68			7/80		H 02 P	1/00			1/24
		39/00			7/74			5/46			3/00			3/18
		41/00	9-13	H 02 K	7/10	68,69	H 02 P	5/50			5/00			5/28
364	G 09 G	1/04		H 02 P		70-75	H 02 P	5/48			7/00			5/44
	H 01 J	29/70	14	H 02 K	7/06	76	H 02 P	5/46			33/12			7/36
		29/72		H 02 P		77,78	H 02 P	5/06	122-125	H 02 K	1/00			7/50
365	G 06 F	3/153	15	H 02 K	7/10	79	H 02 P	5/28		H 02 P	3/00	245	H 02 K	23/64
	G 09 G	1/04		H 02 P				5/46			5/00			1/24
		1/22	16	H 02 Q	7/02	80	H 02 P	5/06			7/00			3/18
		31/16			9/00			5/46			33/00			5/28
365,367	G 09 G	1/04			7/14	81	H 02 P	5/06	126-134	H 02 K	1/00			5/44
	H 01 J	29/70	17	H 02 K				5/28		H 02 P	3/00			7/36
		29/72		H 02 P				5/46			5/00			7/50
368	G 09 G	1/04	34	H 02 P	1/54			5/06			7/00	246	H 02 K	23/08
	H 01 J	29/70			5/46			5/06			41/00			1/18
		29/76			7/68	82,83	H 02 P	5/28		H 02 P	1/00			3/08
369	G 09 G	1/04			7/74			5/46	135	H 02 K	3/00			5/06
	H 01 J	29/74			7/80			7/06		H 02 P	5/00			7/06
		29/76	35,37	H 02 K	33/00			7/36			7/10	247	H 02 K	23/00
370,371	G 09 G	1/04		H 02 P	1/54			7/68			7/20			1/18
	H 01 J	29/56			5/46			7/74	136,137	H 02 K	1/00			3/08
372-374	G 09 G	1/04			7/68			7/80			1/00			5/06
	H 03 K	17/88			7/74	84	H 02 P	5/06			29/00			7/12
375,376	G 09 G	1/04			7/80			5/28		H 02 K	1/00			3/08
	H 01 J	29/80	38	H 02 K	41/00			5/46	138	H 02 P	3/00	248	H 02 K	23/12
377	G 01 R	13/30		H 02 P	1/54			7/10			5/00			1/18
	G 09 G	1/04			5/46			7/36			7/00			3/08
378	G 09 G	1/04			7/68			7/68			1/00			5/06
	H 01 J	29/78			7/74			7/74	139	H 02 P	3/00	249,250	H 02 K	23/00
379-381	G 09 G	1/04			5/10			7/80			5/00			1/18
	H 01 J	29/52	39	B 23 Q	5/28	85	H 02 P	5/46			5/20			3/08
382,382.1	G 09 G	1/04			7/12			7/68		H 02 P	5/22			5/06
	H 01 J	29/58	40	H 02 K	7/68			7/74	140		7/14			7/06
383-386	G 09 G	1/04		H 02 P	7/74			7/80			5/20	251,252	H 02 K	23/08
	H 01 J	29/52			1/54	86-89	H 02 P	3/00			7/34			1/18
387-391	G 09 G	1/04	41,42	H 02 P	5/46			7/68			7/66			3/08
	H 01 J	29/70			7/74			7/74	141-147	H 02 P	5/22			5/06
		29/72			7/80			7/80			5/22			7/10
392	G 01 R	13/28			1/54	90	H 02 P	1/54		H 02 P	7/66	253	H 02 K	21/20
	G 09 G	1/04		H 02 P	5/46			5/46	148		5/20			31/00
393	G 09 G	1/04	43		7/68			7/74	149	H 02 P	5/22			1/18
	H 01 J	29/72			7/74			7/80			7/14			3/08
394-396	G 09 G	1/04		H 02 P	1/54			1/58			7/32			5/06
	H 01 J	29/70	44		5/46	91	H 02 P	5/46			7/34			7/06
		29/72			7/74			7/68	150	H 02 K	7/02	254	H 02 K	23/00
397	G 09 G	1/04		H 02 K	17/34			7/74		H 02 P	5/20			1/18
	H 01 J	29/70	45,46	H 02 P	1/54			7/80			5/22			3/08
		29/76			5/46			1/54			7/14			5/06
398	G 09 G	1/04			7/68	92-100	H 02 P	1/54			7/14			7/06
	H 01 J	29/54												
399-408	G 09 G	1/04												

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U.S. Class 318—Con.				H 02 P	1/12			1/08			3/00			1/04
					3/00			5/06			5/06			3/00
					5/08			3/12			5/28			5/00
255	H 02 P	1/00			5/30			3/22			7/10			7/00
		3/00			7/00			5/06			7/36			7/20
		5/00			5/00			5/28	538	H 02 K	1/00			7/22
256-300	H 02 P	7/00	463-465	G 05 B	5/00			7/06			23/44			7/54
		1/00		H 02 H	7/08			7/22			23/48			7/56
		1/22		H 02 P	1/04			7/40			27/20	558	H 02 P	1/00
		1/40			3/00			7/56			3/00			3/00
		3/00			5/00	512,513	H 02 P	1/00			5/00			5/00
		3/20			7/00			1/08			7/00			7/00
		5/00	466-470	G 05 B	5/00			1/20			1/00	560	G 05 B	11/01
		7/00		G 05 D	3/00			3/12	539	H 02 K	1/00	561	G 05 B	13/00
362-370	H 02 K	7/10		H 02 H	7/08			3/22			23/44	562	G 05 B	11/32
		17/32		H 02 P	1/04			5/18			23/48	563	G 05 B	9/02
		23/68			3/00			5/42			23/60	564	G 05 B	9/03
		27/30			7/00			7/30			1/16	565	G 05 B	23/02
	H 02 P	3/00	471-473	G 05 B	5/00			7/64			3/00	566	G 05 B	9/02
		5/04		G 05 D	23/00			1/00			5/00	567	G 05 B	19/10
		7/04		H 02 H	7/08	514	H 02 P	1/00			7/00	568.1	B 25 J	9/16
371,372	H 02 K	7/10		H 02 P	1/04			1/14			1/22		G 05 B	19/18
		17/32			3/00			3/12			23/44	568.11	B 25 J	9/18
		23/68			7/00			3/22			23/48		G 05 B	19/19
		27/30	474-489	G 05 B	5/00			5/08			1/16	568.12	B 25 J	5/00
	H 02 P	3/00		H 02 H	7/08			5/28			3/00	568.13,568.14	B 25 J	9/22
		3/04		H 02 P	1/04			7/06			5/00		G 05 B	19/42
		5/04			3/00			7/36			7/00	568.15	G 05 B	19/403
		7/04			7/00			3/22	541	H 01 R	39/42			19/415
373,374	H 02 P	3/10	490	G 01 R	31/02	515,516	H 02 P	5/08			39/44	568.16	B 25 J	19/02
		3/20		H 02 H	3/04			5/10			13/00	568.17	B 25 J	9/10
375	H 02 P	3/12			7/08			5/30			1/16	568.18	G 05 B	19/407
		3/14		H 02 K	11/00	519,520	H 02 P	1/00			3/00	568.19	B 25 J	9/04
		3/18		H 02 P	1/00			3/00			5/00		G 05 B	19/39
376	H 02 P	3/14			5/00			5/06			5/44	568.2	G 05 B	19/417
		3/18			7/00			5/28			7/00	568.21	B 25 J	15/02
377,378	H 02 P	3/14			1/00			7/06			7/50		G 05 B	19/417
		3/18	491	H 02 P	3/00			7/36	542	H 01 R	39/42	568.22,568.23	G 05 B	19/405
		3/24			5/00	521,523	H 02 P	1/00			13/00	568.24	B 25 J	19/00
379-381	H 02 P	3/12			7/00			3/00			1/16		G 05 B	23/02
		3/22			7/00			5/06			3/00	568.25	B 25 J	19/06
382	H 02 P	3/00	492	H 01 F	13/00			5/28			5/00		G 05 B	23/02
383	H 02 P	1/00		H 02 K	23/14			7/10			5/44	569	G 05 B	19/18
		5/00			23/44			7/36			7/50	570-573	G 05 B	19/25
		7/00			23/48			7/56	543-548	H 01 H		574	G 05 B	19/23
430,431	H 02 P	1/04		H 02 P	1/00	524	H 02 P	1/00			1/00	575-579	G 05 B	19/33
432	H 02 P	7/00			3/00			1/38			1/04	580	G 05 D	1/00
433	H 02 K	17/32			5/00			3/00			3/00	581	B 64 C	13/20
		23/68			7/00			5/06			5/00		G 05 D	1/00
		27/30	493-495	H 02 P	1/00			5/28			7/00	582	B 64 C	13/18
	H 02 P	7/00			3/00			7/10			7/20		G 05 D	3/00
		7/04			5/06			7/22			7/54	583	B 64 C	13/18
434	H 02 K	17/32			5/28			7/48			7/56	584-586	B 64 C	13/18
		23/68			7/06	525	H 02 P	1/00			3/22		G 05 D	1/08
		27/30			7/36			3/00	549	H 01 H	1/00	587	B 64 C	13/18
	H 02 P	7/00	496	H 02 P	1/32			5/06			1/04		G 05 D	1/00
436	H 02 P	7/00			3/20			5/28			1/00	588,589	B 63 H	25/02
437	H 02 K	23/16			5/06			7/10			3/00		G 05 D	1/00
		23/18			5/28			7/36			5/00		G 05 B	11/18
		23/44			7/06	526	H 02 P	1/00			7/20	590	G 05 B	7/00
		37/00			7/36			3/00			7/22	591	G 05 B	11/18
438	G 05 F	1/70	497-502	H 02 P	1/00			5/06			7/54	592-598	G 05 B	11/28
	H 02 P	5/28			3/00			5/28			7/56	599	G 05 B	19/29
		7/36			5/06			7/10			3/14	600-603	G 05 B	19/31
439	H 01 R	39/46			5/28			7/12	550	H 01 H	3/14	604,605	G 05 B	19/31
	H 02 K	13/00			7/06			7/36			1/00	606-608	G 05 B	1/02
	H 02 P	7/50			7/36			1/04			609		G 05 B	11/36
440-442	H 02 P	1/00	503	H 02 P	1/30	527-531	H 02 P	1/00			1/08	610	G 05 B	11/42
		3/00			1/52			3/00			3/00	611-620	G 05 B	5/01
		5/00			3/00			5/06			5/00	621,622	G 05 B	6/02
		7/00			5/06			5/28			7/00	623,624	G 05 B	5/01
443,444	H 02 P	1/04			5/34			7/10			7/20	625	G 05 B	11/32
		5/00			7/06			7/36			7/22	626,627	G 05 G	5/00
		7/00			7/44	532	H 02 P	1/00			7/54	628-631	G 05 B	11/01
445-460	G 05 B	5/00	504	H 02 P	1/00			3/00	551	H 01 H	3/22	632	G 05 D	23/275
	H 02 H	7/08			1/28			5/00			633		G 05 B	11/01
	H 02 P	1/00			3/00			7/58			1/04	634	G 05 D	23/275
		3/00			5/28	533-535	H 02 P	1/00			3/00	635	G 05 B	11/01
		7/00			7/14			1/34			5/00	636	G 05 B	21/02
461	G 05 B	5/00			7/36			3/00			7/00	637	G 06 G	3/00
	H 02 H	7/08			5/06			5/28			7/20	638-640	G 05 B	1/06
	H 02 P	1/04	505-507	H 02 P	1/00			7/22			7/54	641	G 05 D	23/00
		3/00			3/00			7/22			7/56	642	G 05 D	9/00
		5/00			5/00			7/40				643	G 05 D	1/00
		7/00			7/24			7/56	552-557	H 01 H		644	G 05 D	7/00
462	G 05 B	5/00			7/58			1/00			1/00	645	G 05 D	16/00
	H 02 H	7/08	508-511	H 02 P	1/00	536,537	H 02 P	1/00						

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 318—Con.			723	H 02 P	1/46 1/50 3/18 5/34 7/44	757	H 02 P	3/18 5/04 5/28 7/04 7/36	789-792	H 02 P	1/44 5/36 7/58 1/42 1/44 5/28 7/36	832	H 02 P	17/02 1/26 1/42 3/18 5/28 7/36 7/12
646	G 05 D	15/00				758	H 02 P	1/26 1/42 3/18 5/28 7/36	793	H 02 P	1/42 1/44 5/30 7/36 1/26 1/44 5/28 7/36		H 02 K	16/04 17/02 1/26 1/42 3/18 5/28 7/36
647	G 05 F	1/00	724	H 02 P	1/46 1/50 3/18 5/28 7/36	759-762	H 02 P	3/18 5/28 7/36 3/20 5/28 7/36	794,795	H 02 P	1/26 1/44 5/28 7/36		H 02 P	1/26 1/42 3/18 5/28 7/36
648	B 64 C	17/02				763,764	H 02 P	5/28 7/36 7/50 1/24 1/42	796	H 02 P	1/26 1/44 5/42 7/64			
649	B 64 C	17/06	725,726	H 02 P	1/24 3/18 5/28 7/36	765	H 02 P	3/04 3/18 5/04 5/28 7/04 7/36	797	H 02 P	1/26 1/42 5/28 7/36 7/44			
650	G 05 F	1/10												
651	G 05 D	13/00	727-729	H 02 P	1/24 1/42 3/18 5/28 7/36	766,767	H 02 P	1/26 1/42 5/28 7/36 7/58	798,799	H 02 P	5/28 7/36 5/34 7/42			
652-670	G 05 B	1/06							800-803	H 02 P	5/28 7/36 7/64 5/28 7/36			
671	G 05 B	11/01	730,731	H 02 P	1/26 1/42 1/46 3/18 5/28 7/48	768,769	H 02 P	1/26 1/42 5/28 7/36 7/58	804	H 02 P	5/42 7/64 5/28 7/36 7/44			
672-674	G 05 B	11/14				770	H 02 P	1/26 1/42 5/28 7/36 7/58	805,806	H 02 P	5/28 7/36 7/44			
675,676	G 05 B	11/01	732	H 02 P	1/26 1/42 5/36 7/58				807-811	H 02 P	5/28 5/34 5/38 5/408 7/36 7/44			
677-679	G 05 F	1/00	733-738	H 02 P	1/26 1/42 3/18 5/28 7/36	771	H 02 P	1/26 1/32 3/18 5/28 7/36	812,813	H 02 P	3/18 5/28 7/36			
680	G 05 F	1/04							814	H 02 P	3/18 5/28 5/38 5/402 7/40 7/56 7/622			
681	G 05 F	1/08	739-741	H 02 P	1/40 1/42 3/18 5/28 7/48	772	H 02 P	1/26 1/42 3/18 5/28 7/36						
682	G 05 F	1/00				773	H 02 P	3/18 5/28 7/36 5/42 7/64	815	H 02 P	3/18 5/42 7/64 3/18 5/28 7/36 1/26 1/42 5/28 7/36			
683,684	G 05 B	11/12	742	H 02 P	1/40 1/42 3/04 5/28 7/36				816,817	H 02 P	3/18 5/28 7/36 1/26 1/42 3/18 5/28 7/36			
685	G 05 B	19/40				774-776	H 02 P	1/42 3/18 5/28 7/48 1/38 3/18 5/28 7/48	818-820	H 02 P	1/26 1/42 3/18 5/28 7/36 1/34 1/42 3/18 5/28 7/36			
686-688	G 05 B	17/00	743	H 02 P	1/40 1/42 3/18 5/04 5/28 7/04 7/36	777	H 02 P	1/38 1/42 5/28 7/48 1/26 7/36						
689	G 05 B	11/12												
690-695	G 05 B	8/00	744	H 02 P	1/40 1/42 3/20 5/28 7/64	778	H 02 P	1/26 7/36 1/26 5/04 5/28 7/04	821-823	H 02 P	1/34 1/42 3/18 5/28 7/36			
696	H 02 P	1/46				779	H 02 P	5/04 5/28 7/04 7/36 1/26 1/42 5/28 7/36	824	H 02 P	1/34 1/42 3/18 5/30 7/36 1/34 1/42 3/18 5/28 7/40 53-57 1/26 1/42 3/18 5/28 7/36 7/12 16/02			
700,701	H 02 P	3/18 5/28 7/36 1/46 3/18 5/28 7/48 1/46 3/18 5/28 7/36 7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18	745	H 02 P	1/40 1/42 3/20 5/42 7/64	780	H 02 P	1/26 1/28 1/26 5/30 5/28 7/36 1/42 5/04 5/28 7/40 7/56 1/42 1/44 5/28 7/36 7/44 7/58	825-828	H 02 P	1/42 3/18 5/28 7/36 1/34 1/42 3/18 5/28 7/40 53-57 1/26 1/42 3/18 5/28 7/36 7/12 16/02			
702	H 02 P	1/46 3/18 5/28 7/04 7/36 3/00 1/48 3/18 5/28 7/48 1/46 3/18 5/28 7/36 7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18	746	H 02 P	1/40 1/42 3/20 5/28 7/64	781	H 02 P	1/26 1/28 1/26 5/30 5/28 7/36 1/42 5/04 5/28 7/40 7/56 1/42 1/44 5/28 7/36 7/44 7/58						
703	H 02 P	3/00												
704	H 02 P	1/48 3/18 5/28 7/48 1/46 3/18 5/28 7/36 7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18	747,748	H 02 P	1/40 1/42 3/18 5/28 7/64	782,783	H 02 H	5/04 7/08 1/26 7/36 1/42 5/04 5/28 7/40 7/56 1/42 1/44 5/28 7/36 7/44 7/56 1/42 1/44 5/28 7/36 7/44 7/58	829	H 02 P	1/34 1/42 3/18 5/30 7/36 1/34 1/42 3/18 5/28 7/40 53-57 1/26 1/42 3/18 5/28 7/36 7/12 16/02			
705	H 02 P	1/46 3/18 5/28 7/36 7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18	749,750	H 02 P	1/42 3/18 5/28 7/36 1/44 3/18 5/36 7/58 1/42 3/18 5/28 7/36 1/40 3/20 5/36 7/44 7/58	784	H 02 P	1/42 5/28 7/40 7/56 1/42 1/44 5/28 7/36 7/44 7/56 1/42 1/44 5/28 7/36 7/44 7/56 1/42 1/44 5/28 7/36 7/44 7/58						
706	H 02 H H 02 P	7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18												
707,708	H 02 H H 02 P	7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18	751	H 02 P	1/44 3/18 5/20 7/36 1/44 3/18 5/36 7/58 1/42 3/18 5/28 7/36 1/40 3/20 5/36 7/44 7/58	785	H 02 P	1/42 5/04 7/08 1/26 1/42 5/28 7/40 7/56 1/42 1/44 5/28 7/36 7/44 7/56 1/42 1/44 5/28 7/36 7/44 7/58	830	H 02 P	1/26 1/42 3/18 5/28 7/40 53-57 1/26 1/42 3/18 5/28 7/36 7/12 16/02			
709	H 02 P	1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18												
710,711	H 02 P	1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18	752	H 02 P	1/44 3/18 5/20 7/36 1/44 3/18 5/36 7/58 1/42 3/18 5/28 7/36 1/40 3/20 5/36 7/44 7/58									
712	H 02 P	1/46 3/18 5/28 7/36 7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18												
713-715	H 02 P	1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18	753-755	H 02 P	1/42 3/18 5/28 7/36 1/42 3/18 5/28 7/36 1/40 3/20 5/36 7/44 7/58	786-788	H 02 P	1/42 5/04 7/08 1/26 1/42 5/28 7/40 7/56 1/42 1/44 5/28 7/36 7/44 7/56 1/42 1/44 5/28 7/36 7/44 7/58	831	H 02 K	1/42 5/04 7/08 1/26 1/42 5/28 7/40 7/56 1/42 1/44 5/28 7/36 7/44 7/56 1/42 1/44 5/28 7/36 7/44 7/58			
716-719	H 02 P	1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18												
720	H 02 P	1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18												
721	H 02 P	1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18												
722	H 02 P	1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18 5/04 5/28 7/04 7/36 7/08 1/46 1/50 3/18												

U.S. Class 320

ELECTRICITY, BATTERY AND
CONDENSER CHARGING AND
DISCHARGING

U.S. Class 322

ELECTRICITY, SINGLE GENERATOR
SYSTEMS

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U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 322—Con.						57	G 01 R	27/00	125	G 01 R	1/14	256-259	G 01 R	33/02			
		1/56			1/618	58,58.5	G 01 R	27/04	126-129	G 01 R		260-263	G 01 R	33/00			
86-88	H 02 P	9/20	275	G 05 F	1/565	59,60	G 01 R	11/52	130,131	G 01 R	1/02	300-323	G 01 V	3/00			
		9/10	276	G 05 F	1/569			27/26	132	G 01 R	15/10	324,325	G 01 V	3/18			
		9/14			1/571	61	G 01 R	27/26	133	G 01 R	19/14	326-329	G 01 V	3/08			
89-98	H 02 P	9/00	277,278	G 05 F	1/573	62,63	G 01 R	27/02	134,135	G 01 R	11/32			3/10			
99	H 02 K	11/00	279-290	G 05 F	1/40	64	G 01 R	27/14	136-138	G 01 R	11/02	330	G 01 V	3/16			
	H 02 P	9/00			1/44	65	G 01 R	27/02	139	G 01 R	11/02	331	G 01 V	3/08			
100	H 02 P	9/00			1/56	66,67	G 01 R	19/00			11/30			3/16			
					1/618	71.1-71.6	G 01 N	27/00	140,141	G 01 R	7/00	332	G 01 V	3/08			
			291,292	G 05 F	1/40	72,72.5	G 01 R	31/02	142	G 01 R	7/00			3/10			
					1/42	73	G 01 R	15/12			11/32			3/12			
					1/52	74	G 01 R	11/32	143	G 01 R	11/30	333	G 01 V	3/08			
					1/607			35/04			11/36			3/10			
			293	G 05 F	1/12	75	G 01 R	35/06	144	G 01 R	1/20			3/12			
					1/63	76	G 01 R	19/00			11/30			3/18			
					1/656			23/00	145-147	G 01 R	1/20	334-337	G 01 V	3/08			
201-204	G 05 F	1/00	294	G 05 F	1/12	77	G 01 R	23/16	149	G 01 R	1/06			3/10			
		3/00			1/635			27/02	150	G 01 R	1/20			3/12			
	H 02 J	1/00	295	G 05 F	1/12	78	G 01 R	23/02			5/20	338	G 01 V	3/08			
		1/16			1/644	79	G 01 R	23/14	151,152	G 01 R	1/16			3/10			
		3/00	296	G 05 F	1/12	80	G 01 R	23/00	153	G 01 R	1/20			3/12			
		3/30			1/63	81	G 01 R	23/00			11/16			3/18			
205	G 05 F	1/70			1/656			23/08	154,155	G 01 R	1/00	339-343	G 01 V	3/10			
		3/00	297	G 05 F	1/12	82	G 01 R	23/00	156	G 01 R	1/04			3/18			
		5/00			1/648			23/12	157,158	G 01 R		344	G 01 V	3/08			
206	G 05 F	1/70	298	G 05 F	1/12	83	G 01 R	25/00	160	G 01 P	3/42			3/12			
		3/00			1/63			13/00	161	G 01 P	3/56	345	G 01 V	3/00			
		5/06			1/656	84	G 01 R	25/02	162	G 01 P	3/42			3/08			
207-211	G 05 F	1/70	299-303	G 05 F	5/00	85-89	G 01 R	25/00			15/00	346	G 01 V	3/00			
		3/00	304	G 05 F	3/00	90	G 01 R	25/00	163,164	G 01 P	3/46			3/08			
		5/00			3/02			25/06			3/52			3/18			
212-219	G 05 F	1/00	305	G 05 F	3/04	91	G 01 R	25/00	165	G 01 P	3/52	347	G 01 V	3/00			
		1/70	306-310	G 05 F	3/06	92-94	G 01 R	27/22			13/00			3/02			
		3/00	311,312	G 05 F	3/04	95	G 01 R	23/04	166-174	G 01 P	3/48			3/18			
		5/00			3/08			25/02			3/54	348-350	G 01 V	3/00			
220-222	H 02 J	3/08	313-317	G 05 F	3/16			27/02	175	G 01 P	3/36			3/08			
	G 05 F	1/10			3/20	96	G 01 R	31/00	176	G 01 P	3/42	351-353	G 01 V	3/00			
		1/652	318-354	G 05 B	24/02	97	G 01 R	13/38	177	G 01 P	3/46			3/08			
		1/656		G 05 F				13/40	178-180	G 01 P	3/66			3/18			
223-225	G 05 F	1/613		H 02 J	1/00	98	G 01 R	17/02			3/80	354	G 01 V	3/02			
		3/16			3/12	99	G 01 R	17/06	200	G 01 R	33/00			3/04			
226	G 05 F	1/613	355	H 01 F	17/00	100	G 01 R	13/04			33/10			3/06			
		1/618			19/00			17/06	201	G 01 N	27/76	355,356	G 01 V	3/02			
227	G 05 F	1/607			21/00	101	G 01 R	17/10		G 01 R	33/16			3/04			
228	G 05 F	3/00			23/00	102	G 01 R	19/00	202	G 01 R	35/00			3/06			
229-231	G 05 F	1/613			29/00			27/28	203	G 01 R	33/00			3/18			
		1/618			31/00	103	G 01 R	11/63	204,205	G 01 N	27/74	357	G 01 V	3/02			
		3/00	356	H 01 F	27/42			19/04		G 01 R	33/12			3/04			
232,233	G 05 F	1/652			40/14			19/165	206	G 01 B	7/04	358	G 01 V	3/06			
		1/656	357,358	H 01 F	40/06			19/30	207,208	G 01 B	7/14	359	G 01 V	3/02			
		3/00	359	H 01 F	40/04	104	G 01 R	5/22	209	G 01 B	7/24			3/04			
234	G 05 F	1/10	360	H 01 F	36/00			11/63		G 01 R	33/18	360-362	G 01 V	3/06			
	H 02 J	3/12	361	H 01 F	33/00			19/04	210-212	G 01 R	33/12	363	G 01 V	3/02			
235,236	G 05 F	1/10			40/10			19/165	213	G 01 N	27/82			3/04			
		1/40	362	H 01 F	27/24			19/30		G 01 R	33/10			3/06			
	H 02 J	3/12	363	H 01 F	17/00	105	G 01 R	1/44	214,215	G 01 N	27/84	364	G 01 V	3/02			
237-246	G 05 F	1/10	364,365	H 03 H	1/00			5/22		G 01 R	33/00			3/06			
		1/40			2/00			19/32	216	G 01 N	27/84	365	G 01 V	3/02			
		1/455			5/00			21/02		G 01 R	33/12			3/04			
	H 02 J	3/12			7/00			21/14	217,218	B 61 K	9/10			3/06			
247	G 05 F	1/12	366	H 03 H	5/10	106	G 01 R	5/26		G 01 N	27/82	366-372	G 01 V	3/02			
		1/46	367,368	H 03 H	1/00			19/32	219-221	G 01 N	27/72			3/04			
248	G 05 F	1/13			2/00			21/02			27/82			3/06			
249	G 05 F	1/12			5/00			21/14		G 01 R	33/12			3/18			
250	G 05 F	1/325			7/00			19/00	222,223	G 01 R	33/14	373-375	G 01 V	3/02			
251	G 05 F	1/33	369	H 03 H	1/00	107	G 01 R	29/16	224-227	G 01 N	27/72			3/06			
252	G 05 F	1/12			2/00			19/00		G 01 R	33/00			3/18			
253	G 05 F	1/335			5/00	108	G 01 R	29/22	228	G 01 N	27/72	376	G 01 V	3/00			
254	G 05 F	1/34			5/10	109	G 01 R	1/00		G 01 R	33/12			3/02			
255	G 05 F	1/14			7/00	110-112	G 01 R	13/04	229-231	G 01 B	7/10			3/04			
256	G 05 F	1/147	370	H 03 H	1/00	113	G 01 R	1/00		G 01 R	33/12			3/06			
257	G 05 F	1/153			2/00	114	G 01 R	29/00	232-236	G 01 N	27/72			3/08			
258	G 05 F	1/16			5/00	115,116	G 01 R	1/38		G 01 R	33/12	377	G 01 V	3/00			
259	G 05 F	1/24			7/00			11/57	237,238	G 01 N	27/82			3/08			
260	G 05 F	1/247	371	H 05 F	1/24			15/08	239	G 01 N	27/72			3/10			
261	G 05 F	1/24			1/56			15/10		G 01 R	33/12	378-402	F 02 P	17/00			
262	G 05 F	1/253			1/618			33/00	240,241	G 01 N	27/82	403-414	G 01 R	31/00			
263	G 05 F	1/26			1/44			19/18	242	G 01 N	27/82	415-424	G 01 R	31/02			
264	G 05 F	1/12			1/56			19/22		G 01 R	33/12			31/32			
265,266	G 05 F	1/40			1/618			19/22	243	G 01 N	27/72	425	G 01 N	27/42			
		1/44			1/577			19/18		G 01 R	33/12	426-438	G 01 N	27/416			
		1/56			31/02			19/22	244-250	G 01 R	33/02	439	G 01 N	27/02			
267	G 05 F	1/577	55	G 01 R	31/06	121	G 01 R	13/20	251	G 01 R	33/06	440	G 01 N	27/34			
268-274	G 05 F	1/40			31/06	122	G 01 R	31/00	252	G 01 R	33/02	441-449	G 01 N	27/02			
		1/44	56	G 01 R	29/22	123,124	G 01 R	1/30	253-255	G 01 R	33/04	450	G 01 N	27/28			

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U.S. Subclass			IPC Subclass			U.S. Subclass			IPC Subclass			U.S. Subclass			IPC Subclass			U.S. Subclass			IPC Subclass			U.S. Subclass			IPC Subclass			U.S. Subclass			IPC Subclass																																																																																																													
U.S. Class 324—Con.			22-24			160,161			162-167			168-175			176			177-180			181-185			186-188			189			190			191-204			205			206			207			208,209			210,211			212-226			227			228			229			230			231			232			233			234			235,236			237			238			239			240			241-245			246-248			249			250			251			252			253			254-257			258			259			260			261			262-264			265-271										
451	G 01 N	25/00	25	H 03 K	5/00	160,161	G 06 G	7/16	162-167	H 03 B	1/00	168-175	H 03 K	5/00	176	H 03 K	3/00	177-180	H 03 K	3/53	181-185	H 03 K	4/10	186-188	H 03 K	3/02	189	H 03 K	3/00	190	H 01 J	17/32	191-204	H 03 K	3/06	205	H 03 K	3/14	206	H 03 K	3/12	207	H 03 K	3/10	208,209	H 01 J	17/36	210,211	H 03 K	3/02	212-226	H 03 K	3/04	227	H 01 J	29/00	228	H 01 J	29/54	229	H 01 J	29/70	230	H 01 J	29/76	231	H 01 J	29/00	232	H 01 J	23/00	233	H 01 J	23/00	234	H 05 H	7/00	235,236	H 05 H	7/00	237	H 05 H	11/00	238	H 05 H	19/82	239	H 01 J	3/013	240	H 03 K	3/013	241-245	H 01 J	19/82	246-248	H 03 K	3/02	249	H 01 J	17/00	250	H 01 J	17/00	251	H 01 J	17/02	252	H 01 J	19/00	253	H 01 J	21/18	254-257	H 01 J	29/00	258	H 01 J	19/82	259	H 03 K	3/01	260	H 01 J	19/82	261	H 02 M	1/10	262-264	H 01 J	19/82	265-271	H 01 J	19/82	4,6,4,7	4,8,4,9	5	H 01 S	1/00	136-142	H 03 G	3/20
452-456	G 01 R	27/60	26	H 03 B	5/00	162-167	H 03 B	1/00	168-175	H 03 K	5/00	176	H 03 K	3/00	177-180	H 03 K	3/00	181-185	H 03 K	3/00	186-188	H 03 K	3/02	189	H 03 K	3/00	190	H 01 J	17/32	191-204	H 03 K	3/06	205	H 03 K	3/14	206	H 03 K	3/12	207	H 03 K	3/10	208,209	H 01 J	17/36	210,211	H 03 K	3/02	212-226	H 03 K	3/04	227	H 01 J	29/00	228	H 01 J	29/54	229	H 01 J	29/70	230	H 01 J	29/76	231	H 01 J	29/00	232	H 01 J	23/00	233	H 01 J	23/00	234	H 05 H	7/00	235,236	H 05 H	7/00	237	H 05 H	11/00	238	H 05 H	19/82	239	H 01 J	3/013	240	H 03 K	3/013	241-245	H 01 J	19/82	246-248	H 03 K	3/02	249	H 01 J	17/00	250	H 01 J	17/00	251	H 01 J	17/02	252	H 01 J	19/00	253	H 01 J	21/18	254-257	H 01 J	29/00	258	H 01 J	19/82	259	H 03 K	3/01	260	H 01 J	19/82	261	H 02 M	1/10	262-264	H 01 J	19/82	265-271	H 01 J	19/82	4,6,4,7	4,8,4,9	5	H 01 S	1/00	136-142	H 03 G	3/20			
457-458	G 01 N	27/62	27	H 03 B	5/00	162-167	H 03 B	1/00	168-175	H 03 K	5/00	176	H 03 K	3/00	177-180	H 03 K	3/00	181-185	H 03 K	3/00	186-188	H 03 K	3/02	189	H 03 K	3/00	190	H 01 J	17/32	191-204	H 03 K	3/06	205	H 03 K	3/14	206	H 03 K	3/12	207	H 03 K	3/10	208,209	H 01 J	17/36	210,211	H 03 K	3/02	212-226	H 03 K	3/04	227	H 01 J	29/00	228	H 01 J	29/54	229	H 01 J	29/70	230	H 01 J	29/76	231	H 01 J	29/00	232	H 01 J	23/00	233	H 01 J	23/00	234	H 05 H	7/00	235,236	H 05 H	7/00	237	H 05 H	11/00	238	H 05 H	19/82	239	H 01 J	3/013	240	H 03 K	3/013	241-245	H 01 J	19/82	246-248	H 03 K	3/02	249	H 01 J	17/00	250	H 01 J	17/00	251	H 01 J	17/02	252	H 01 J	19/00	253	H 01 J	21/18	254-257	H 01 J	29/00	258	H 01 J	19/82	259	H 03 K	3/01	260	H 01 J	19/82	261	H 02 M	1/10	262-264	H 01 J	19/82	265-271	H 01 J	19/82	4,6,4,7	4,8,4,9	5	H 01 S	1/00	136-142	H 03 G	3/20			
459	G 01 L	21/30	28	H 03 B	5/00	162-167	H 03 B	1/00	168-175	H 03 K	5/00	176	H 03 K	3/00	177-180	H 03 K	3/00	181-185	H 03 K	3/00	186-188	H 03 K	3/02	189	H 03 K	3/00	190	H 01 J	17/32	191-204	H 03 K	3/06	205	H 03 K	3/14	206	H 03 K	3/12	207	H 03 K	3/10	208,209	H 01 J	17/36	210,211	H 03 K	3/02	212-226	H 03 K	3/04	227	H 01 J	29/00	228	H 01 J	29/54	229	H 01 J	29/70	230	H 01 J	29/76	231	H 01 J	29/00	232	H 01 J	23/00	233	H 01 J	23/00	234	H 05 H	7/00	235,236	H 05 H	7/00	237	H 05 H	11/00	238	H 05 H	19/82	239	H 01 J	3/013	240	H 03 K	3/013	241-245	H 01 J	19/82	246-248	H 03 K	3/02	249	H 01 J	17/00	250	H 01 J	17/00	251	H 01 J	17/02	252	H 01 J	19/00	253	H 01 J	21/18	254-257	H 01 J	29/00	258	H 01 J	19/82	259	H 03 K	3/01	260	H 01 J	19/82	261	H 02 M	1/10	262-264	H 01 J	19/82	265-271	H 01 J	19/82	4,6,4,7	4,8,4,9	5	H 01 S	1/00	136-142	H 03 G	3/20			
460	G 01 L	21/36	28-36	H 03 K	5/08	162-167	H 03 K	5/08	168-175	H 03 K	5/08	176	H 03 K	5/08	177-180	H 03 K	5/08	181-185	H 03 K	5/08	186-188	H 03 K	5/08	189	H 03 K	5/08	190	H 01 J	17/32	191-204	H 03 K	5/08	205	H 03 K	5/08	206	H 03 K	5/08	207	H 03 K	5/08	208,209	H 01 J	17/36	210,211	H 03 K	5/08	212-226	H 03 K	5/08	227	H 01 J	29/00	228	H 01 J	29/54	229	H 01 J	29/70	230	H 01 J	29/76	231	H 01 J	29/00	232	H 01 J	23/00	233	H 01 J	23/00	234	H 05 H	7/00	235,236	H 05 H	7/00	237	H 05 H	11/00	238	H 05 H	19/82	239	H 01 J	3/013	240	H 03 K	3/013	241-245	H 01 J	19/82	246-248	H 03 K	3/02	249	H 01 J	17/00	250	H 01 J	17/00	251	H 01 J	17/02	252	H 01 J	19/00	253	H 01 J	21/18	254-257	H 01 J	29/00	258	H 01 J	19/82	259	H 03 K	3/01	260	H 01 J	19/82	261	H 02 M	1/10	262-264	H 01 J	19/82	265-271	H 01 J	19/82	4,6,4,7	4,8,4,9	5	H 01 S	1/00	136-142	H 03 G	3/20			
461	G 01 L	21/36	38.1	H 03 K	5/13	162-167	H 03 K	5/13	168-175	H 03 K	5/13	176	H 03 K	5/13	177-180	H 03 K	5/13	181-185	H 03 K	5/13	186-188	H 03 K	5/13	189	H 03 K	5/13	190	H 01 J	17/32	191-204	H 03 K	5/13	205	H 03 K	5/13	206	H 03 K	5/13	207	H 03 K	5/13	208,209	H 01 J	17/36	210,211	H 03 K	5/13	212-226	H 03 K	5/13	227	H 01 J	29/00	228	H 01 J	29/54	229	H 01 J	29/70	230	H 01 J	29/76	231	H 01 J	29/00	232	H 01 J	23/00	233	H 01 J	23/00	234	H 05 H	7/00	235,236	H 05 H	7/00	237	H 05 H	11/00	238	H 05 H	19/82	239	H 01 J	3/013	240	H 03 K	3/013	241-245	H 01 J	19/82	246-248	H 03 K	3/02	249	H 01 J	17/00	250	H 01 J	17/00	251	H 01 J	17/02	252	H 01 J	19/00	253	H 01 J	21/18	254-257	H 01 J	29/00	258	H 01 J	19/82	259	H 03 K	3/01	260	H 01 J	19/82	261	H 02 M	1/10	262-264	H 01 J	19/82	265-271	H 01 J	19/82	4,6,4,7	4,8,4,9	5	H 01 S	1/00	136-142	H 03 G	3/20			
462	G 01 L	21/32	53.54	H 03 K	5/08	162-167	H 03 K	5/08	168-175	H 03 K	5/08	176	H 03 K	5/08	177-180	H 03 K	5/08	181-185	H 03 K	5/08	186-188	H 03 K	5/08	189	H 03 K	5/08	190	H 01 J	17/32	191-204	H 03 K	5/08	205	H 03 K	5/08	206	H 03 K	5/08	207	H 03 K	5/08	208,209	H 01 J	17/36	210,211	H 03 K	5/08	212-226	H 03 K	5/08	227	H 01 J	29/00	228	H 01 J	29/54	229	H 01 J	29/70	230	H 01 J	29/76	231	H 01 J	29/00	232	H 01 J	23/00	233	H 01 J	23/00	234	H 05 H	7/00	235,236	H 05 H	7/00	237	H 05 H	11/00	238	H 05 H	19/82	239	H 01 J	3/013	240	H 03 K	3/013	241-245	H 01 J	19/82	246-248	H 03 K	3/02	249	H 01 J	17/00	250	H 01 J	17/00	251	H 01 J	17/02	252	H 01 J	19/00	253	H 01 J	21/18	254-257	H 01 J	29/00	258	H 01 J	19/82	259	H 03 K	3/01	260	H 01 J	19/82	261	H 02 M	1/10	262-264	H 01 J	19/82	265-271	H 01 J	19/82	4,6,4,7	4,8,4,9	5	H 01 S	1/00	136-142	H 03 G	3/20			
463	G 01 L	21/34	55.56	H 03 K	5/159	162-167	H 03 K	5/159	168-175	H 03 K	5/159	176	H 03 K	5/159	177-180	H 03 K	5/159	181-185	H 03 K	5/159	186-188	H 03 K	5/159	189	H 03 K	5/159	190	H 01 J	17/32	191-204	H 03 K	5/159	205	H 03 K	5/159	206	H 03 K	5/159	207	H 03 K	5/159	208,209	H 01 J	17/36	210,211	H 03 K	5/159	212-226	H 03 K	5/159	227	H 01 J	29/00	228	H 01 J	29/54	229	H 01 J	29/70	230	H 01 J	29/76	231	H 01 J	29/00	232	H 01 J	23/00	233	H 01 J	23/00	234	H 05 H	7/00	235,236	H 05 H	7/00	237	H 05 H	11/00	238	H 05 H	19/82	239	H 01 J	3/013	240	H 03 K	3/013	241-245	H 01 J	19/82	246-248	H 03 K	3/02	249	H 01 J	17/00	250	H 01 J	17/00	251	H 01 J	17/02	252	H 01 J	19/00	253	H 01 J	21/18	254-257	H 01 J	29/00	258	H 01 J	19/82	259	H 03 K	3/01	260	H 01 J	19/82	261	H 02 M	1/10	262-264	H 01 J	19/82	265-271	H 01 J	19/82	4,6,4,7	4,8,4,9	5	H 01 S	1/00	136-142	H 03 G	3/20			
464-468	G 01 N	27/64	57	H 03 K	5/00	162-167	H 03 K	5/00	168-175	H 03 K	5/00	176	H 03 K	5/00	177-180	H 03 K	5/00	181-185	H 03 K	5/00	186-188	H 03 K	5/00	189	H 03 K	5/00	190	H 01 J	17/32	191-204	H 03 K	5/00	205	H 03 K	5/00	206	H 03 K	5/00	207	H 03 K	5/00	208,209	H 01 J	17/36	210,211	H 03 K	5/00	212-226	H 03 K	5/00	227	H 01 J	29/00	228	H 01 J	29/54	229	H 01 J	29/70	230	H 01 J	29/76	231	H 01 J	29/00	232	H 01 J	23/00	233	H 01 J	23/00	234	H 05 H	7/00	235,236	H 05 H	7/00	237	H 05 H	11/00	238	H 05 H	19/82	239	H 01 J	3/013	240	H 03 K	3/013	241-245	H 01 J	19/82	246-248	H 03 K	3/02	249	H 01 J	17/00	250	H 01 J	17/00	251	H 01 J	17/02	252	H 01 J	19/00	253	H 01 J	21/18	254-257	H 01 J	29/00	258	H 01 J	19/82	259	H 03 K	3/01																							

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 330—Con.			296,297	H 03 F	3/04	110	H 03 B	5/14	52-55	H 03 C	1/00	133	H 01 L	41/00
143	H 03 F	1/30	298	H 02 H	7/20			5/26	56	H 03 C	1/08		H 03 H	9/00
144,145	H 03 F	1/30		H 03 F	3/04			5/38	57	H 03 C	1/00	134-137	H 01 P	5/12
	H 03 G	3/20	299	H 03 F	3/04			5/42	58	H 03 C	1/32	138	H 03 H	7/18
146	H 03 F	3/00	300	H 03 F	3/16	111	H 03 K	3/26	59-67	H 03 C	1/00			7/30
		3/26	301	H 03 F	3/04	112	H 03 K	3/30	68	H 03 C		139	H 03 H	7/20
147,148	H 03 F	3/00	302-306	H 03 F	3/04	113	H 03 K	3/281						7/38
		3/68			3/191	114	H 03 K	3/26				140	H 03 H	7/18
		5/00	307	H 03 F	3/14			5/12						7/30
149	H 03 F	1/26	308	H 03 F	3/08	115	H 03 B	7/00	U.S. Class 333			141-155	H 03 H	9/00
		1/30	309	H 03 F	3/14	116	H 03 B	5/30	WAVE TRANSMISSION LINES AND NETWORKS			156,157	H 04 B	11/00
150	H 03 F	1/22	310,311	H 03 F	3/04			5/36					H 01 P	1/18
		3/18			3/68	117,126	H 03 B	5/00				158-160	H 01 P	9/00
151	H 03 F	1/00	U.S. Class 331			127	H 03 B	7/10						1/18
152-154	H 03 F	1/22	OSCILLATORS					11/02	1	H 01 P	5/00			3/00
155-157	H 03 F	1/00				128	H 03 B	11/08				161	H 01 P	9/00
158	H 03 F	1/00				129-131	H 03 K	3/37	1.1	H 03 H	7/00			1/18
		3/52				132-134	H 03 B	7/00	2-5	H 01 P	1/32			3/08
159	H 03 F	3/34				135-137	H 03 B	5/20	12	H 04 B	3/28	162,163	H 01 P	9/00
		3/52				138	H 03 B	5/14	13	H 01 P	1/04			1/18
160	H 03 F	1/00	1,2	H 03 L	7/00			5/42			1/14			3/00
161	H 03 F	1/00	3	H 03 L	7/26	139	H 03 B	5/38	14	H 03 G	7/00	164	H 01 P	9/02
		3/34	4-18	H 03 L	7/00	140-142	H 03 B	5/26	15,16	H 04 B	1/64			3/00
162	H 03 F	1/00	19	H 03 L	7/16	143	H 03 K	3/02	17.1	H 04 B	3/10	165	G 11 C	19/28
163	H 03 F	1/00	20-36	H 03 L	7/00	144,145	H 03 K	3/06		H 03 G	11/04		H 03 H	7/30
		3/36	37	H 03 B	21/00	146-149	H 03 K	3/16	17.2	H 03 G	11/00			7/38
164-167	H 03 F	1/00	38	H 03 B	21/02	150-152	H 03 K	3/02	17.3	H 01 P	5/08	166	H 03 H	7/38
168	H 03 F	3/52	39-43	H 03 B	21/00	153	H 03 K	7/00		H 03 H	7/38	167	H 03 H	7/00
169-171	H 03 F	1/00	44	G 01 R	23/00	154-156	H 03 B	5/30	18	H 03 G	11/04	168-170	H 03 H	7/00
172	H 03 F	3/52	45	H 03 B	27/00	157	H 03 B	5/40		H 04 B	3/04			7/01
173	H 03 F	3/36	46-59	H 03 B		158-164	H 03 B	5/32	19	H 04 B	3/00	171	H 03 H	7/01
		3/52	60	H 03 B	25/00	165	H 03 B	11/00	20	H 04 B	3/04	172-174	H 03 H	7/00
174	H 03 F	1/00	61	H 03 B		166	H 03 B	11/08	21	H 01 P	1/16	175-177	H 03 H	7/00
		13/00	62,63	H 02 H	7/20	167-174	H 03 B	5/08	22	H 01 P	1/26			7/01
175-180	H 03 F	1/00	64	G 08 B				5/18	23	H 04 B	3/40	178-180	H 03 H	7/01
181,182	H 03 F	3/36		H 03 B	1/00	175,176	H 03 L	1/00	24	H 03 H	5/00	181-185	H 03 H	7/00
183,184	H 03 F	3/34	65	G 01 N	27/00	177-181	H 03 B		24.1	H 01 P	1/32	186-196	H 03 H	9/00
185	H 03 F	1/00		G 05 D		182	H 03 L	5/00	24.2	H 01 P	1/36	197-199	H 03 H	9/205
		3/00		G 08 B	19/00	183-185	H 03 B		24.3	H 01 P	1/175			9/22
186	H 03 F	3/52			21/00	186	H 03 L	1/00			1/38			9/24
187	H 03 F	3/36			23/00	187	H 03 B		25,26	H 03 H	5/00	200	H 03 H	9/02
		3/52	66	G 08 C					27	H 03 H	5/10			9/24
188-190	H 03 F	1/00		G 01 J	5/00	U.S. Class 332			28	H 03 H	5/00	201	H 03 H	7/34
		3/00		G 01 K	7/00	MODULATORS			32-35	H 03 H	5/00	202,203	H 01 P	1/20
191	H 03 F	3/36		G 01 N	27/00				81	H 01 P	1/22	204,205	H 01 P	1/20
192	H 03 F	1/00		G 05 D	23/20	1	H 03 C	1/50	99	H 01 P	1/00	206,207	H 01 P	1/20
		3/00		G 08 B	13/18	2	H 03 C	3/38	100	H 01 P	5/12			3/06
193	H 03 F	3/52			19/00	3,4	H 03 C	1/46	101	H 01 P	5/12	208-211	H 01 P	1/20
194	H 03 F	3/36			21/00	5	H 03 C	1/30			1/32	212	H 01 P	1/20
		3/52	67-69	H 03 B	1/00			3/32	103-108	H 01 P	5/12			3/12
195-197	H 03 F	1/00	70,71	H 03 B				5/04			5/12	213-217	H 03 H	11/00
		3/00	72	H 03 B	5/28	6,7	H 03 C	1/28	109	H 01 P	5/18	218	H 01 P	1/00
198	H 03 F	3/36	73	H 03 B	5/34			3/30			5/18		H 03 B	19/00
		3/52	74-76	H 03 B	1/00			5/02	110	H 01 P	5/18	219	H 01 P	7/00
199-206	H 03 F	1/00	77	H 03 B				1/00			7/46	219.1	H 01 P	7/10
207	H 03 F	21/00	78	H 03 B	29/00	7.5	H 01 S	3/00	111	H 01 P	5/12	219.2	H 01 P	7/00
250	H 03 F	3/04	79	H 03 B	9/01	7.51	H 01 S				7/48	220,221	H 01 P	7/02
251	H 03 F	3/217	80	H 03 B	9/01	8	H 03 C				7/38	222-226	H 01 P	7/04
252-261	H 03 F	3/45			13/00	9-15	H 03 K	7/00	112	H 03 H	5/18	227	H 01 P	7/06
262	H 03 F	3/26	81	H 03 B	9/02	16,17	H 03 C	3/00			7/38	228	H 01 P	1/16
263,264	H 03 F	3/18	82	H 03 B	9/08	18	H 03 C	3/08	113-115	H 01 P	5/12			7/06
265-276	H 03 F	3/26	83	H 03 B	9/04	19-24	H 03 C	3/00			5/18	229	H 01 P	1/30
277	H 03 F	3/16	84	H 03 B	9/01	25	H 03 C	3/34			5/12			7/06
278	H 03 G	3/10			9/06	26	H 03 C	3/28	116	H 01 P	5/12	230-233	H 01 P	7/00
		3/18	86-91	H 03 B	9/10	27	H 03 C	3/00			5/12	234,235	H 01 P	3/00
		3/30	92,93	H 03 B	9/02	28	H 03 C	3/14			5/18	236,237	H 01 P	3/08
279-281	H 03 G	3/10	94.1	H 01 S	1/06	29	H 03 C	3/12	117	H 01 P	5/12	238	H 01 P	3/00
282	H 03 G	3/12		H 03 B	17/00	30	H 03 C	3/20			5/22	239	H 01 P	3/12
		3/18	95	H 03 B	5/08	31	H 03 C	1/00	118,119	H 04 B	1/52	240	H 01 P	3/00
283	H 03 G	3/12	96-102	H 03 B	5/18	37	H 03 C	1/06			1/58	241	H 01 P	3/14
284	H 03 G	3/10			7/12	38-41	H 03 C	1/00	120	H 01 P	5/12	242	H 01 P	3/00
		3/18	103	H 03 B	1/00	42	H 03 C	1/00			5/22	243,244	H 01 P	3/06
		3/30	104	H 03 B	9/01			5/00	121-123	H 01 P	5/12	245	H 01 P	1/00
285	H 03 G	3/10	105	H 03 B	1/04	43	H 03 C	1/54			5/20	246	H 01 P	3/08
286,287	H 03 F	3/60	106	H 03 L	5/00	44	H 03 C	1/52			5/12	247,248	H 01 P	1/00
288,289	H 03 F	3/04	107	H 03 B	5/12	45	H 03 C	1/52	124	H 01 P	5/12	249	H 01 P	1/02
290	H 03 F	1/30			5/24			1/60			5/12	250	H 01 P	1/00
291	H 03 F	1/38			5/36	46	H 03 C	1/00	125,126	H 01 P	5/12			5/00
292	H 03 F	1/14			7/06	47	H 03 C	1/54	127,128	H 01 P	3/08	251	H 01 P	1/16
293	H 03 F	1/08			11/10	48-50	H 03 C	1/00			5/12	252	H 01 P	1/08
		1/34			19/14	51	H 03 C	1/00	129-131	H 03 H	7/38	253	H 01 P	1/28
294	H 03 F	1/34	108	H 03 B	5/12			1/48	132	H 03 H	7/46			3/00
		1/38			5/24						7/48			5/04
295	H 03 F	3/68	109	H 03 L	5/00									

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U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 333—Con.						84	H 03 J	1/06	42	H 01 H	83/00	200	H 01 H	1/12	285-287	H 01 F	7/20
					3/20						75/10	201	H 01 H	9/30	288	H 01 F	7/02
254	H 01 P	1/04	85	H 03 J	1/00						77/06	202	H 01 H	9/02			7/20
255	H 01 P	5/00			3/00	43-45	H 01 H	75/08			81/04	203-207	H 01 H	13/04	289-294	H 01 F	7/20
256,257	H 01 P	1/06	86,87	H 03 J	5/00			77/04			77/04	208	H 01 H	9/00	295	H 01 F	7/04
258	H 01 P	1/10			1/02			81/02			77/00		H 01 H	37/00	296	H 01 F	1/00
259	H 01 P	1/12	88	H 03 J	1/00	46	H 01 H	75/00			77/00	209	H 01 F	1/00			3/00
		1/12	89	H 03 J	1/00			83/00			77/00		H 01 F	7/00	297,298	H 01 F	3/00
260	H 01 P	1/00			3/00	47-56	H 01 H	29/00			1/00	210	H 01 F	7/00	299,300	H 01 F	5/00
		5/00			5/00	57	H 01 H	1/00			29/00	211	H 01 F	3/12	301	H 01 F	7/00
261	H 01 P	1/06						29/00			1/08		H 01 F	7/00	302	H 01 F	7/02
262	H 01 P	1/10				58	H 01 H	1/08			29/00	212	H 01 F	1/00	303	H 01 F	3/00
263	H 01 P	1/00						1/08			213,214		H 01 H	1/00			7/02
U.S. Class 335								29/00				215	H 01 F	5/00	304-306	H 01 F	7/02
ELECTRICITY, MAGNETICALLY OPERATED SWITCHES, MAGNETS AND ELECTROMAGNETS						59	H 01 H	7/00					H 01 F	7/00			
								43/00						7/02			
U.S. Class 334						60	H 01 H	7/00						7/06	U.S. Class 336		
TUNERS								43/02					H 01 H	55/00	INDUCTOR DEVICES		
			1	H 01 H	9/00	61	H 01 H	7/03				216	H 01 F	1/00			
					45/00			43/02						7/00			
1-3	H 03 J	5/00	2	H 01 H		62	H 01 H	7/02						7/22	5-12	H 01 F	33/00
4	H 03 J	1/18	3	H 01 H	55/00			43/02				217,218	H 01 F	1/00	15-45	H 01 F	21/02
		1/22	4,5	H 01 H	53/00	63	H 01 H	7/08						7/00	55	H 01 F	27/08
5,6	H 03 J	1/18	6-16	H 01 H	75/00			7/14						41/00	57,58	H 01 F	27/10
		3/04			77/00	64	H 01 H	43/02				219	H 01 F	1/00	59	H 01 F	27/02
7	H 03 J	5/06			83/00			7/08						7/08	60-62	H 01 F	27/08
		5/08	17	H 01 H	73/12			43/08				220	H 01 F	7/08	65-68	H 01 F	15/02
		5/32			75/00	65	H 01 H	7/10				221	H 01 F	7/08	69,70	H 01 F	15/14
8	H 03 J	1/00			77/00			43/02					H 01 H	51/32	73	H 01 F	27/28
9,10	H 03 J	1/06			83/00	66	H 01 H	7/06				222-227	H 01 F	7/08	75-79	H 01 F	21/04
		1/18	18	H 01 H	73/00			43/02				228	H 01 F	7/08	82,83	H 01 F	15/02
11	H 03 J	3/04			73/12	67	H 01 H	7/06				229-235	H 01 F	7/00	84	H 01 F	15/04
		3/06			83/06			43/02						7/08	87	H 01 F	21/10
12	H 03 J	1/00	19,20	H 01 H	83/00	68-77	H 01 H	3/00				236	H 01 F	3/12	90-98	H 01 F	27/02
		3/00	21	H 01 H	73/02			9/00						7/08	100	H 01 F	15/00
13	H 03 J	3/06			75/00			51/00				237,238	H 01 F	7/08	105	H 01 F	17/00
		5/12			77/00	78-86	H 01 H	51/22					H 01 F	7/18	107	H 01 F	27/04
14,15	H 03 H	3/06			83/00	87-98	H 01 H	51/34				243-246	H 01 F	7/10	110	H 01 F	21/00
	H 03 J	5/04	22,23	H 01 H	73/48	99-105	H 01 H	51/30				247-249	H 01 F	7/12	115-117	H 01 F	21/04
16	H 03 J	3/04			75/00	106	H 01 H	67/00					H 01 F	7/10	118-120	H 01 F	21/06
17-28	H 03 J	3/00			77/00	107,108	H 01 H	67/02				251	H 01 F	3/00	121-129	H 01 F	21/04
29	H 03 J	5/02			81/00	109-112	H 01 H	67/14						7/10	130-136	H 01 F	21/06
		1/02	24	H 01 H	75/00	113	H 01 H	67/02				252	H 01 F	7/10	137	H 01 F	21/00
30,31	H 03 J	3/12			77/00	114	H 01 H	67/06				253	H 01 F	7/08	138	H 01 F	21/02
		1/04			81/00	115-121	H 01 H	67/02				254	H 01 F	7/00	139-141	H 01 F	29/06
32	H 03 J	3/14			83/00	122,123	H 01 H	67/06						7/08	142-144	H 01 F	29/02
33	H 03 J	1/02	25	H 01 H	75/02	124	H 01 H	67/02				255-262	H 01 F	3/00	145-148	H 01 F	21/02
		3/12			77/02	125	H 01 H	67/02						7/08	149	H 01 F	29/06
34,35	H 03 J	1/04			81/00	126	H 01 H	67/02				263	H 01 F	7/08	150	H 01 F	21/12
		3/14			85/00	127	H 01 H	67/06						7/16	155-165	H 01 F	21/08
36,37	H 03 J	1/02	26,27	H 01 H	73/00			67/06				264	H 01 F	7/16	170,171	H 01 F	27/28
		3/14			75/02	128-132	H 01 H	67/02						3/00	172	H 01 F	17/04
38	H 03 J	5/00			77/02	133-135	H 01 H	67/06				265	H 01 F	7/08	173,174	H 01 F	40/00
39	H 03 J	3/00			81/00			67/06						7/00	175,176	H 01 F	17/06
40,41	H 03 J	5/00			73/00			67/02				266	H 01 F	7/08	177	H 01 F	17/00
		3/24	28	H 01 H	75/02	136,137	H 01 H	67/02						7/08	178	H 01 F	17/06
42,43	H 03 J	5/00			77/02	138-140	H 01 H	51/08						7/08	179	H 01 F	15/16
44-46	H 03 J	3/00			83/00	141-146	H 01 H	51/00				267	H 01 F	7/00	180	H 01 F	27/28
		5/00			75/02			61/00						7/08	181	H 01 F	27/34
47	H 03 J	5/00			77/02	147	H 01 H	53/00				268	H 01 F	5/00	182-184	H 01 F	27/28
48	H 03 J	3/10			75/02	148-150	H 01 H	53/015						7/18	185	H 01 F	27/30
		5/00	30	H 01 H	77/02	151-154	H 01 H	1/66				269-271	H 01 F	7/08	186-191	H 01 F	15/10
49-54	H 03 J	5/02			81/00			51/00				272	H 01 F	7/14	192	H 01 F	27/28
55-58	H 03 J	3/20			85/00	155,156	H 01 H	7/16						7/08	195	H 01 F	27/28
		5/24			73/22			75/00				273,274	H 01 F	7/08	196-199	H 01 F	27/30
59,60	H 03 J	5/24	31	H 01 H	75/08			77/00						7/13	200	H 01 F	5/00
61-63	H 03 J	3/00			77/04	157	H 01 H	3/60				275,276	H 01 F	7/08	205-209	H 01 F	27/30
64	H 03 J	3/02			81/02			9/00				277	H 01 F	1/00	210	H 01 F	27/26
		5/02	32-34	H 01 H	75/02	158,159	H 01 H	9/00						3/00	211-219	H 01 F	27/24
65	H 03 J	3/02			77/02	160,161	H 01 H	9/20						7/00	220	H 01 F	27/28
		3/22			81/00	162,163	H 01 H	9/00				278	H 01 F	7/00	221	H 01 F	17/04
66-69	H 03 J	3/22			83/00	164-171	H 01 H	9/20				279	H 01 F	3/00	222-232	H 01 F	27/28
70	H 03 J	3/16	35,36	H 01 H	75/12	172-184	H 01 H	9/00						7/08	233,234	H 01 F	27/24
		3/22			77/00	185-187	H 01 H	3/00				280	H 01 F	3/00			
71-73	H 03 J	3/20			81/00	188	H 01 H	5/00						7/08			
74-76	H 03 J	3/16			83/00	189-192	H 01 H	3/00				281	H 01 F	3/00	U.S. Class 337		
		3/20	37	H 01 H	75/12	193	H 01 H	3/60						7/08	ELECTRICITY, ELECTROTHERMALLY OR THERMALLY ACTUATED SWITCHES		
77	H 03 J	3/16			77/04	194,195	H 01 H	3/00				282	H 01 F	5/00			
		3/20			81/00	196	H 01 H	1/00						7/08	1	H 01 H	37/00
78-82	H 03 J	3/20	38-41	H 01 H	83/00	197	H 01 H	1/48				283	H 01 F	7/00			61/00
83	H 03 J	3/20			75/10			1/50						7/20			85/00
		3/32			77/06	198	H 01 H	1/00				284	H 01 F	13/00	2,3	H 01 H	37/00
					81/04	199	H 01 H	1/06									

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 337—Con.			120	H 01 H	61/02			85/165	360,361	H 01 H	37/12			10/00
		61/00			87/00			85/26			37/52	64,65	H 01 C	1/06
		71/00	121,122	H 01 H	61/00	258,259	H 01 H	85/26	362-364	H 01 H	37/52	66	H 01 C	7/00
4-11	H 01 H	85/00			87/00	260,261	H 01 H	85/143		H 01 H	37/54			10/00
12,13	H 01 H	31/00	123	H 01 H	61/00	262,263	H 01 H	85/24	366	H 01 H	37/54	67	H 01 C	13/00
		37/00			71/18	264	H 01 H	85/22			37/66	68-70	H 01 C	10/00
		71/00	124	H 01 H	61/00	265	H 01 H	85/30	367	H 01 H	37/54	71	H 01 C	10/10
14	H 01 H	61/00			71/22	266	H 01 H	85/32			37/70	72	H 01 C	10/08
		71/00			61/06	267	H 01 H	85/30	368	H 01 H	37/12			10/10
15-20	H 01 H	61/00	125	H 01 H	81/02	268,269	H 01 H	85/143			37/54			10/46
		71/14			61/00	270-272	H 01 H	85/143	369-371	H 01 H	37/52	73	H 01 C	10/42
		79/00	126-137	H 01 H	71/18			85/165	372	H 01 H	37/04	74	H 01 C	10/38
21	H 01 H	87/00	138	H 01 H	61/06	273-275	H 01 H	85/38			37/52	75-79	H 01 C	10/00
22-27	H 01 H	61/00			81/00	276	H 01 H	85/18	373	H 01 H	37/52	80-86	H 01 C	10/02
28,29	H 01 H	61/00	139,140	H 01 H	61/06	277	H 01 H	85/40			37/64	87,88	H 01 C	10/00
		71/00			71/18	278	H 01 H	85/38	374	H 01 H	37/02	89-91	H 01 C	10/04
30-35	H 01 H	39/00	141	H 01 H	61/02	279	H 01 H	85/44			37/52	92-97	H 01 C	10/06
36-50	H 01 H	61/00	142	H 01 H	85/00	280	H 01 H	85/38	375	H 01 H	37/18	98	H 01 C	10/10
		71/16	143	H 01 H	71/20	281	H 01 H	85/42			37/52	99-114	H 01 C	10/10
51	H 01 H	61/06			73/22	282	H 01 H	85/38	376	H 01 H	37/08			10/12
		81/00	144,145	H 01 H	71/20	283	H 01 H	85/04			37/14	115	H 01 C	10/10
52-71	H 01 H	71/16	146	H 01 H	71/20	284	H 01 H	85/26	377	H 01 H	37/52	116	H 01 C	10/14
72	H 01 H	71/16			73/22	285-288	H 01 H	85/28			37/10	117-121	H 01 C	10/30
		71/50	147,148	H 01 H	71/20	289	H 01 H	85/26	378	H 01 H	37/52	122-124	H 01 C	10/18
		73/22	149-155	H 01 H	71/20	290-293	H 01 H	85/04			37/52	125-134	H 01 C	10/16
		77/04			73/22	294,295	H 01 H		379	H 01 H	37/04	135-137	H 01 C	10/00
73	H 01 H	71/16	156,157	H 01 H	71/20	296,297	H 01 H	85/04	380,381	H 01 H	37/52	138-142	H 01 C	10/22
		75/08			73/24	298	H 01 H	37/00			37/52	143-149	H 01 C	10/24
74-76	H 01 H	77/04	158-160	H 01 H	85/04	299,300	H 01 H	37/02			37/46	150-152	H 01 C	10/26
77	H 01 H	71/16	161,162	H 01 H	85/04	301	H 01 H	37/62	382,383	H 01 H	37/46	153-155	H 01 C	10/00
		61/02			85/12	302,303	H 01 H	37/02	384-389	H 01 H	37/74	156	H 01 C	1/125
		71/16	163,164	H 01 H	85/04	304,305	H 01 H	37/12	390,391	H 01 H	37/46	157,158	H 01 C	10/28
78	H 01 H	61/00	165	H 01 H	71/20	306-311	H 01 H	37/36			37/60	159	H 01 C	10/00
		71/16	166,167	H 01 H	85/04	312-314	H 01 H	37/36			37/74	160,161	H 01 C	10/30
79	H 01 H	71/04	168-179	H 01 H	71/10			37/74	392	H 01 H	37/12	162-171	H 01 C	10/32
		71/16			71/20	315	H 01 H	37/44			37/46	172,173	H 01 C	10/36
		73/12	180,181	H 01 H	71/08			37/74	393	H 01 H	37/46	174,175	H 01 C	10/34
80	H 01 H	29/00	182-185	H 01 H	71/20	316,317	H 01 H	37/36	394	H 01 H	37/48	176-179	H 01 C	10/38
		71/16	186	H 01 H	85/02	318	H 01 H	37/36	395	H 01 H	37/50	180,181	H 01 C	10/40
81-84	H 01 H	61/00			85/02			37/60	396,397	H 01 H	37/46			10/42
		71/16	187-189	H 01 H	85/20	319	H 01 H	37/12	398	H 01 H	37/04	182	H 01 C	10/38
85	H 01 H	61/04			85/02			37/36			37/46	183	H 01 C	10/44
86-91	H 01 H	61/00	190	H 01 H	85/46	320,321	H 01 H	37/38	399,400	H 01 H	37/46	184	H 01 C	1/02
92	H 01 H	61/06			85/02			37/40			37/64			10/00
93,94	H 01 H	61/08	191-196	H 01 H	85/36	322	H 01 H	37/42	401-412	H 01 H	37/76	185-189	H 01 C	10/46
95,96	H 01 H	61/00			85/02	323	H 01 H	37/12	413	H 01 H	37/64	190-193	H 01 C	10/48
97	H 01 H	61/00	197-202	H 01 H	85/46			37/36			37/76	194	H 01 C	10/46
		71/16	203	H 01 H	85/02	324	H 01 H	37/14	414-416	H 01 H	37/76	195-197	H 01 C	10/00
98	H 01 H	61/00			39/00			37/36	417	H 01 H	37/02	198	H 01 C	10/50
		71/00	204,205	H 01 H	85/02	325	H 01 H	37/36				199	H 01 C	10/00
99	H 01 H	61/00	206	H 01 H	85/30	326-328	H 01 H	37/36				200,201	H 01 C	10/50
		71/22	207	H 01 H	85/02	329	H 01 H	37/36	U.S. Class 338					1/12
100,101	H 01 H	61/00	208-210	H 01 H	85/22			37/64	ELECTRICAL RESISTORS					7/00
		71/16			85/48	330	H 01 H	37/12				204,205	H 01 C	7/18
		71/22	211,212	H 01 H	85/22			37/36	1	H 01 C	8/02	206-209	H 01 C	3/00
102-107	H 01 H	61/00			85/54	331	H 01 H	37/36	2-5	G 01 L	1/22	210-214	H 01 C	3/06
		63/00	213-215	H 01 H	85/50			37/64	6	G 01 B	7/16	215,216	H 01 C	13/00
		71/00			85/60	332	H 01 H	37/08	7-10	H 01 C	7/06	217,218	H 01 C	3/08
108	H 01 H	61/017	216	H 01 H	85/52			37/36	11	H 01 C	1/08	219-221	H 01 C	13/00
		61/02			85/62	333-340	H 01 H	37/52	12	H 01 C	10/14	222	H 01 C	10/02
109	H 01 H	71/16	217-219	H 01 H	71/20	341	H 01 H	37/52	13,14	H 01 C	7/00			11/00
		1/02			73/22			37/62	15-19	H 01 L	31/08	223-225	H 01 C	8/00
		1/06			85/02	342,343	H 01 H	37/74	20-24	H 01 C	7/10	226-231	H 01 C	1/02
		61/00	220	H 01 H	73/22	344	H 01 H	37/66			7/13	232,233	H 01 C	1/022
		71/16			85/02			37/74	25-31	H 01 C	3/04	234-236	H 01 C	1/026
110	H 01 H	9/30	221	H 01 H	85/02	345	H 01 H	37/74			7/02	237	H 01 C	1/024
		61/00			85/46	346	H 01 H	37/62			7/04	238-242	H 01 C	1/03
		71/00	222-224	H 01 H	85/00			37/74	32	H 01 L	43/00	243-251	H 01 C	1/028
111	H 01 H	61/00	225,226	H 01 H	85/24	347	H 01 H	37/12			43/02	252-255	H 01 C	1/02
		71/16	227-229	H 01 H	85/143			37/74			43/04	256,257	H 01 C	1/032
112	H 01 H	45/02			85/165	348	H 01 H	37/70			43/06	258-261	H 01 C	1/02
		61/00	230	H 01 H	85/26			37/74			43/08	262-266	H 01 C	1/034
		71/02	231	H 01 H	85/143	349	H 01 H	37/12			43/10	267-274	H 01 C	1/02
		71/16	232-236	H 01 H	85/00			37/52	33	H 01 C	10/14	275	H 01 C	1/034
113	H 01 H	61/01	237	H 01 H	85/143	350-355	H 01 H	37/52	34,35	H 01 C	7/00	276	H 01 C	1/02
		71/08	238-240	H 01 H	85/36	356	H 01 H	37/52	36-47	H 01 C	10/10	277	H 01 C	1/00
114	H 01 H	37/36	241	H 01 H	85/30			37/74	48	H 01 C	10/16	278-282	H 01 C	3/00
		61/00	242	H 01 H	85/32	357	H 01 H	37/22			13/02	283-292	H 01 C	3/10
		87/00	243,244	H 01 H	85/30			37/52	49	H 01 C	7/00			7/22
115	H 01 H	61/00	245-250	H 01 H	85/143			37/74	50	H 01 C	13/00	293	H 01 C	3/12
		87/00			85/165	358	H 01 H	37/52	51-54	H 01 C	1/08			7/22
116	H 01 H	61/06	251-254	H 01 H	85/143			37/70	55,56	H 01 C	1/082	294	H 01 C	3/10
		87/00	255,256	H 01 H	85/143			37/74	57-59	H 01 C	1/08	295	H 01 C	7/22
117-119	H 01 H	61/00			85/165	359	H 01 H	37/52	60-63	H 01 C	3/02	296	H 01 C	13/00
		87/00	257	H 01 H	85/143			37/74			7/00	297	H 01 C	3/14

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 338—Con.			442	B 60 C	23/00	734	G 09 G	1/14		G 08 C	15/06	937	G 08 G	1/017
					23/02	735	G 09 G	1/06	870.03	G 08 C	15/06			1/054
238	H 01 C	7/22	443-448	B 60 C	23/00			1/16			19/20	938,939	G 08 G	1/01
		3/16	449-457.4	B 60 Q	1/00	736	G 09 G	1/08	870.04	G 08 C	15/06	940	G 08 G	1/02
		7/22	458	B 60 Q	11/00	737,738	G 09 G	1/08			19/22	941	G 08 G	1/01
299,300	H 01 C	3/14	459,460	B 60 Q	1/00			1/12	870.05,870.06	G 08 C	19/06	942,943	G 08 G	1/04
		7/22	461	B 60 Q	1/00	739-742	G 09 G	1/10	870.07	G 08 C	19/22	944	G 08 G	1/095
301	H 01 C	3/18		G 09 F	9/00	743	G 09 G	1/08		H 04 Q	9/00	945,946	G 08 B	21/00
		7/22	462	B 60 Q	1/00	744-751	G 09 G	1/14	870.08	G 08 C	19/00	947-950	G 08 G	5/00
302,303	H 01 C	3/20		G 09 F	9/30	752-755	G 09 G	3/20	870.09	G 08 B	19/00	951	B 64 F	1/20
		7/22	463	B 60 Q	1/22	756,757	G 09 G	3/04			21/00		G 08 G	5/00
304,305	H 01 C	3/14			1/26	758	G 09 G	3/04	870.1	G 08 C	17/00	952,953	B 64 F	1/18
		7/22	464	B 60 Q	1/50			3/06			19/16		G 08 G	5/00
306-314	H 01 C	1/012	465	B 60 Q	1/34			3/10	870.11	G 08 C	19/04	954	B 64 F	1/20
315	H 01 C	1/01	466	B 60 Q	1/54	759	G 09 G	3/04			19/10		G 08 G	5/00
316	H 01 C	10/16	467	B 60 Q	1/50			3/06	870.12	G 01 K	5/00	955	B 64 F	1/18
317	H 01 C	1/01	468,469	B 60 Q	1/26	760	G 09 G	3/08		G 08 C	15/06		G 08 G	5/00
318,319	H 01 C	10/14	470	B 60 Q	1/50			3/12	870.13	G 08 C	15/08	956	G 08 G	5/00
320	H 01 C	1/01	471	B 60 Q	1/52	761	G 09 G	3/04			15/12	957-959	G 08 B	21/00
321	H 01 C	1/00	472	B 60 Q	1/52			3/06	870.14	G 08 C	15/08		G 08 G	5/00
322-326	H 01 C	1/14			7/02	762	G 09 G	3/14	870.15	G 08 C	15/00	960	G 08 B	21/00
327	H 01 C	1/142	473	B 60 Q	7/00	763,764	G 09 G	3/16			15/04	961	G 08 G	5/04
328	H 01 C	1/14	474	B 60 Q	1/26	765	G 09 G	3/18	870.16	G 08 B	21/00	962	G 08 B	21/00
329	H 01 C	1/144			5/00	766,767	G 09 G	3/20	870.17	G 08 C	19/12	963-970	G 08 B	23/00
330	H 01 C	1/14	475	B 60 Q	1/34	768	G 09 G	3/26			19/16	971,972	G 01 C	21/00
331	H 01 C	1/146	476,477	B 60 Q	1/40			3/28	870.18	G 08 C	19/16			23/00
332	H 01 C	1/148	478	B 60 Q	1/34	769,770	G 09 G	3/20	870.19	G 08 C	19/16	973	G 01 C	23/00
333	H 01 C	3/00	479	B 60 Q	1/44	771-779	G 09 G	3/22			19/20	974	G 01 C	21/00
		7/00	480	B 60 Q	1/26			3/28	870.2	G 08 B	29/00	975	G 01 C	23/00
		10/00		G 08 B	5/22	780	G 09 G	3/24		G 08 C	19/16	976-980	G 01 C	21/00
334	H 01 C	13/00	481-486	G 08 B	5/22	781	G 09 G	3/30	870.21-870.26	G 08 C	19/16	981,982	B 64 D	47/06
			487-490	G 08 B	5/24	782	G 09 G	3/32		H 04 Q	9/00	983	B 64 D	47/00
			500-504	G 08 B	23/00	783	G 09 G	3/34	870.27	G 08 C	17/00		G 08 G	5/00
			505	G 08 B	26/00	784	G 09 G	3/36			19/12	984	G 08 B	23/00
			506-516	G 08 B	29/00	785-788	G 09 G	3/34	870.29	G 08 C	19/02	985	G 08 G	3/00
			517	G 08 B	23/00	789-791	G 09 G	3/00			19/16	986	G 08 B	21/00
			518	G 08 B	26/00	792	G 09 G	3/26	870.3	G 08 C	19/00	987	B 63 H	25/36
			519,520	G 08 B	23/00	793	G 09 G	3/00			19/38	988-996	G 08 G	1/123
			521,522	G 08 B	19/00	794-797	G 09 G	1/26	870.31	G 08 C	19/06			
146.2	G 05 B	1/00	523	G 08 B	23/00	798-801	G 09 G	1/02			19/12			
286	G 08 B		524,525	G 08 B	25/00	802-814	G 09 G	3/00	870.32-870.36	G 08 C	19/06	U.S. Class 341		
287-309	G 08 B	25/00	526-530	G 08 B	23/00	815.01	G 08 B	5/00	870.37	G 08 C	19/10	CODED DATA GENERATION OR		
309.15-309.6	G 08 B	1/00	531,532	G 08 B	1/00			5/36			19/16	CONVERSION		
310	H 04 M	11/04	533-538	H 04 Q	1/30	815.02	G 08 B	5/00	870.38	G 08 C	15/00	1-17	H 03 M	1/22
311.1	H 04 Q	1/30		G 08 B	1/08	815.03	G 08 B	5/22	870.39	G 08 C	19/04	20-35	H 03 K	17/94
313-323	G 08 B	23/00		H 04 Q	1/30	815.04,815.05	G 08 B	5/00	870.4	G 08 C	15/00		H 03 M	11/00
326,327	G 08 B	27/00		G 08 B	1/08	815.06	G 01 J	1/34	870.41	G 08 C	19/02	50	H 03 M	7/00
328,329	G 08 B	3/00	539	H 04 Q	7/00	815.07-815.09	G 08 B	5/00	870.42	G 08 C	19/02	51	H 03 M	7/34
330	G 08 B	3/00		G 08 B	21/00	815.1	G 08 B	5/36	870.43	G 08 C	19/00		H 03 M	7/38
		5/00	540	G 08 B	13/00	815.11	G 08 B	5/22			25/00	52	H 03 M	5/00
331,332	G 08 B	5/00	541	E 05 B	45/06	815.12-815.14	G 08 B	5/36	870.44	G 08 C	19/16	53	H 03 M	5/08
	H 05 B	39/00	542,543	G 08 B	13/20	815.15,815.16	G 08 B	5/00	901,902	G 08 G	1/00	54	H 03 M	5/22
		41/00	544	G 08 B	13/08	815.17	G 08 B	5/24	903	G 08 G	1/16	55	H 03 M	5/00
333	G 08 B	1/00	545-547	G 08 B	13/12	815.18	G 08 B	5/36	904	G 08 G	1/09	56	H 03 M	5/02
384	G 08 B	3/00	548	G 08 B	13/08	815.19-815.23	G 08 B	5/00	905	G 08 G	1/07	57	H 03 M	5/16
385,386	G 01 V	1/104	549	G 08 B	13/00	815.24	G 04 C	17/00	906	G 08 G	1/095	58	H 03 M	5/00
		1/157	551	G 08 B	13/24	815.25	G 08 B	5/14	907,908	G 08 G	1/095	59-61	H 03 M	7/00
	G 08 B	3/00	552-557	G 08 B	13/18	815.26-815.3	G 08 B	5/00	908.1	B 60 Q	7/00	62	H 03 M	7/12
387	G 08 B		561-564	G 08 B	13/26	815.31	G 08 B	5/00		E 01 F	9/00	63	H 03 M	7/46
388-391	G 08 B	3/00	565,566	G 08 B	13/00		G 09 F	19/12	909-911	G 08 G	1/07	64-67	H 03 M	7/40
	G 10 K	9/00	567	G 08 B	13/18	815.32,815.33	G 08 B	5/00			1/08	68	H 03 M	5/06
392-401	G 08 B	3/00	568-572	G 08 B	13/14	825	H 04 Q			G 08 G	1/07	69-71	H 03 M	7/12
	G 10 K	1/00	573	G 08 B	23/00	825.01	H 04 L	1/00	912-914	G 08 G	1/07	72-74	H 03 M	5/14
402,403	G 01 K	1/08	574	G 08 B	13/00	825.02-825.04	H 01 H	67/00	915	G 08 G	1/07	75	H 03 M	7/50
	G 08 B	3/00	575,576	G 08 B	23/00	825.05	H 04 Q	3/00			1/095	76	H 03 M	7/30
404	G 08 B	3/00	577-579	G 08 B	17/12	825.06-825.18	H 05 B	23/02	916	G 08 G	1/07	77	H 03 M	7/32
	G 10 K	9/00	580-583	G 08 B	19/02	825.19	H 04 Q		917-919	G 08 G	1/08	78-82	H 03 M	7/00
405	G 08 B	3/00	584-589	G 08 B	17/00	825.2,825.21	H 04 L	7/00	920,921	G 08 G	1/07	83	H 03 M	7/02
	G 10 K	7/00	590,591	G 08 B	17/02	825.22-825.24	G 05 B	19/02	922	G 08 G	1/08	84,85	H 03 M	7/04
406	G 08 B	3/00	592	G 08 B	17/04	825.25-825.29	H 04 Q		923	G 08 G	1/07			7/12
	G 10 K	5/00	593-599	G 08 B	17/06	825.3-825.33	G 06 F	7/04			1/095	86	H 03 M	7/00
407	G 08 B		600	G 08 B	17/12	825.34	G 07 D	7/00			1/07	87	H 03 M	7/30
425	H 04 B	3/38	601	G 01 W	1/00	825.35	G 06 F	7/04	924-927	G 08 G	1/00	88-93	H 03 M	7/00
425.5	B 60 Q	1/00	602-627	G 08 B	21/00	825.36,825.37	G 08 B	5/22	928	G 08 G	1/065	94	H 03 M	13/00
426	B 60 R	25/10	628-634	G 08 B	17/10	825.38-825.43	H 04 L	12/28			1/096	95	H 03 M	7/00
427	B 60 R	25/10	635-690	G 08 B	21/00		H 04 M	11/02	929,930	G 08 G	1/097	96	H 03 M	7/14
	B 62 H	5/00	691	G 08 B	3/00	825.44-825.49	G 08 B	5/22	931	G 08 G	1/096	97,98	H 03 M	7/04
	B 62 J	3/00			5/00	825.5-825.56	H 04 Q		932	G 08 G	1/096			7/16
428-430	B 60 R	25/10			7/00	825.57-825.78	G 08 C	19/00	932.1	E 01 F	9/00	99	H 03 M	7/00
431	G 08 B	21/00	692	G 08 B	25/08	825.79-825.98	H 04 Q			G 08 G	1/08	100,101	H 03 M	9/00
432	B 62 J	3/00	693	G 08 B	23/00	826,827	H 04 B	3/38	932.2	B 60 Q	1/48	102,103	H 03 M	7/20
		6/00	700	G 09 G	1/00	850-852	H 04 B	13/02		G 08 G	1/14	104,105	H 03 M	7/04
433	B 60 Q	1/26			3/00	853-861	G 01 V	1/00	933	G 08 G	1/01			7/08
434	B 60 Q	1/00	701-704	G 09 G	1/28	870.01	G 08 B	23/00	934	G 08 G	1/065			
	G 08 B	21/00	705-719	G 09 G	3/02	870.02			935,936	G 08 G	1/01	106,107	H 03 M	7/00
435-441	B 60 Q	1/00	720-733	G 09 G	1/06									

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U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 341—Con.			368	H 01 Q	3/22	789	H 01 Q	1/42	U.S. Class 346			96.19	G 02 B	6/34
108	H 03 M	1/02			3/24	790,791	H 01 Q	9/04	RECORDERS			96.2	G 02 B	6/26
109	H 03 M	1/04	369	G 01 S	3/26	792	H 01 Q	9/16				96.21	G 02 B	6/38
110	H 03 M	1/00	370	H 01 Q	1/00	792.5	H 01 Q	11/10	1.1-43	G 01 D	9/00	96.22	G 02 B	6/40
111-117	H 03 M	1/48	371-373	H 01 Q	3/22	793	H 01 Q	9/16	44	G 01 D	9/04	96.23	G 02 B	6/44
118,119	H 03 M	1/06			3/24	794	H 01 Q	21/00			9/08	96.24	G 02 B	6/04
120,121	H 03 M	1/10			3/26	795	H 01 Q	9/28	45-64	G 01 D	9/36	96.25	G 02 B	6/06
122-130	H 03 M	1/00	374	H 01 Q	3/02	796	H 01 Q	21/20			9/36	96.26	G 02 B	23/26
131	H 03 M	1/20			3/12	797,798	H 01 Q	21/26	65-73	G 01 D	9/00	96.27	G 02 B	6/08
132-137	H 03 M	1/00	375	H 01 Q	3/22	799,800	H 01 Q	21/20	74.2-74.7	G 11 B	9/00	96.28	G 02 B	6/00
138-140	H 03 M	1/62	376,377	H 01 Q	3/00	801,802	H 01 Q	9/16	75	G 01 D	15/18	96.29	G 02 B	6/02
		1/84	378-384	G 01 S	3/16	803,804	H 01 Q	9/26	76	G 01 D	15/10			6/10
		1/88			3/28	805	H 01 Q	9/44	77	G 01 D	15/02	96.3	G 02 B	6/10
141,142	H 03 M	1/00	385	G 01 S	1/00	806	H 01 Q	9/16	78-106	G 01 D	15/04	96.31	G 02 B	6/18
143	H 03 M	3/00	386	G 01 S	1/08	807,808	H 01 Q	9/28			15/20	96.32	G 02 B	6/20
144,145	H 03 M	1/66	387-392	G 01 S	1/24	809	H 01 Q	9/44	107-110	G 01 D	9/42	96.33	G 02 B	6/22
146	H 03 M	1/72	393	G 01 S	1/22	810	H 01 Q	21/00	111-133	G 01 D	15/16	96.34	G 02 B	6/00
147	H 03 M	1/66	394-397	G 01 S	1/30	811	H 01 Q	11/04	134	G 01 D	15/24	97-99	G 02 B	5/12
148	H 03 M	1/76	398-406	G 01 S	1/44	812-815	H 01 Q	21/12			15/26	100	G 02 B	17/02
149-151	H 03 M	1/66	407	G 01 S	1/08	816,817	H 01 Q	21/00			15/34	101	G 02 B	5/12
152	H 03 M	1/82	408-413	G 01 S	1/16	818	H 01 Q	19/10	135.1	G 01 D	9/00	102	G 02 B	5/122
153	H 03 M	1/80			1/18	819	H 01 Q	19/30	136-138	G 01 D	15/24	103	G 02 B	5/124
154	H 03 M	1/78	414	G 01 S	1/14	820-823	H 01 Q	9/16			15/26	104	G 02 B	5/126
155,156	H 03 M	1/12	415	G 01 S	1/10	824	H 01 Q	21/08	139,140	G 01 D	15/16	105	G 02 B	5/128
157	H 03 M	1/60	416	G 01 S	1/12	825	H 01 Q	9/04			15/18	106	G 02 B	5/13
158	H 03 M	1/34	417	G 01 S	5/02	826	H 01 Q	21/00	141,142	G 01 D	15/02	107	G 02 B	5/132
159,160	H 03 M	1/36	418	G 01 S	3/52	827	H 01 Q	21/10			15/04	108	G 02 B	5/134
161	H 03 M	1/38			5/02	828	H 01 Q	9/30	143	G 01 D	15/16	109	G 02 B	5/136
162-165	H 03 M	1/34	419-424	G 01 S	5/02	829,830	H 01 Q	9/38			15/18	110	G 02 B	27/02
166	H 03 M	1/50	425	G 01 S	3/56	831	H 01 Q	9/30	144,145	G 01 D	15/00	111	G 02 B	5/30
167	H 03 M	1/82			5/02	832	H 01 Q	19/10	146	G 01 D	9/00			27/02
168	H 03 M	1/50	426-430	G 01 S	5/02	833	H 01 Q	19/00	150	G 01 D	15/06	112	G 02 B	17/04
169	H 03 M	1/56	431	G 01 S	3/12	834	H 01 Q	19/10	151	G 11 B	3/00			27/02
170	H 03 M	1/58			5/02	835,836	H 01 Q	21/00	152	G 01 D	15/14	113	G 02 B	17/06
171,172	H 03 M	1/12	432-449	G 01 S	5/04	837-839	H 01 Q	19/10	153.1-155	G 01 D	15/06			27/02
173-176	G 08 C	19/12	450-465	G 01 S	3/02	840	H 01 Q	19/12	156	G 01 D	15/06	114-116	G 02 B	27/02
	H 04 L	17/02				841	H 01 Q	1/52	157	G 01 D	15/20	117-125	G 03 B	21/56
177-190	G 08 C	19/12				842	H 01 Q	7/04		G 03 G	15/01	126-129	G 03 B	21/60
191	G 08 C	19/16				843	H 01 Q	11/00	158,159	G 01 D	15/06	130,131	G 02 B	27/22
	H 04 L	17/02				844	H 01 Q	21/00	160	G 01 D	15/14	132	G 02 B	27/22
192	H 04 L	25/42				845-849	H 01 Q	1/48	160.1	G 01 D	15/06	133-136	G 02 B	27/22
200	H 03 M					850	H 01 Q	1/50	161	G 01 D	15/06	137,138	G 02 B	27/24
899	H 03 M	1/00				851	H 01 Q	1/52	162-164	G 01 D	15/08	139-144	G 02 B	27/22
		7/00				852	H 01 Q	1/50	165	G 01 D	15/06	145	G 02 B	27/02
			700	H 01 Q		853,855	H 01 Q	21/00				146	G 02 B	25/00
			701	H 01 Q	1/26	856	H 01 Q	1/44				162.11	G 02 B	5/18
			702	H 01 Q	1/24	857-864	H 01 Q	1/50				162.12-162.14	G 02 B	27/42
			703	G 01 R		865	H 01 Q	9/16						27/46
			704	H 01 Q	1/02	866	H 01 Q	7/00				162.15	G 02 B	27/44
			705,706	H 01 Q	1/28	867	H 01 Q	21/00				162.16	G 02 B	27/44
			707	H 01 Q	1/30	868-870	H 01 Q	7/00				162.17	G 02 B	5/18
			708	H 01 Q	1/28	871	H 01 Q	7/02				162.18	G 02 B	5/18
			709,710	H 01 Q	1/34	872	H 01 Q	1/42				162.19	G 02 B	5/18
			711-717	H 01 Q	1/32	873	H 01 Q	1/40				162.2-162.24	G 02 B	5/18
			718	H 01 Q	1/12	874,875	H 01 Q	9/34				163	G 02 B	27/00
			719	H 01 Q	1/04	876	H 01 Q	3/24				164,165	G 02 B	1/10
			720	H 01 Q	1/00	877,878	H 01 Q	1/12				166	G 02 B	5/28
			721	H 01 Q	1/06	879	H 01 Q	21/00				167	G 02 B	27/00
			722	H 01 Q	1/00	880,881	H 01 Q	1/08				168	G 02 B	5/04
			723	H 01 Q	11/12	882	H 01 Q	3/02				169	G 02 B	27/10
			724	H 01 Q	1/00	883	H 01 Q	1/10				170	G 02 B	27/12
			725-728	H 01 Q	21/00	884	H 01 Q	1/22				171-174	G 02 B	27/14
			729,730	H 01 Q	1/00	885	H 01 Q	1/50				235-241	G 02 B	27/02
			731,732	H 01 Q	11/02	886	H 01 Q	1/14				242-257	G 02 B	7/02
			733-736	H 01 Q	11/06	887,888	H 01 Q	1/12				258-262	G 02 B	17/00
			737-740	H 01 Q	11/02	889	H 01 Q	1/10						27/00
			741-744	H 01 Q	11/12	890-892	H 01 Q	1/12				263	G 02 B	27/00
			745	H 01 Q	9/00	893	H 01 Q	21/00				264,265	G 02 B	17/00
			746	H 01 Q	13/10	894	G 01 R					266-275	G 02 B	26/02
			747	H 01 Q	9/16	895-899	H 01 Q	1/36				276	G 02 B	27/00
			748	H 01 Q	7/00	900	H 01 Q	9/30				277-284	G 02 B	17/00
			749-752	H 01 Q	9/00	901-903	H 01 Q	1/10				286	G 02 B	5/04
			753,754	H 01 Q	19/06	904,905	H 01 Q	1/00				287	G 02 B	7/18
			755	H 01 Q	19/10	906	H 01 Q	1/50				311	G 02 B	5/20
			756	H 01 Q	19/00	907	H 01 Q	1/00				312	G 02 B	5/24
			757,758	H 01 Q	3/00	908	H 01 Q	1/36				313-317	G 02 B	5/22
			759	H 01 Q	3/10	909,910	H 01 Q	15/02				318	G 02 B	7/00
			760	H 01 Q	3/00			15/24				319	G 02 B	5/00
			761	H 01 Q	3/12			15/08						7/00
			762-766	H 01 Q	3/00			15/14						27/00
			767,768	H 01 Q	13/10			15/20						
			769	H 01 Q	13/12			15/14						
			770,771	H 01 Q	13/10			15/14						
			772-786	H 01 Q	13/00			15/14						
			787	H 01 Q	1/00			15/14						
			788	H 01 Q	7/08			15/14						

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U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 350—Con.						384-390											
			G 02 B		5/30	456	G 02 B	9/34			15/02	51,52	G 02 C	11/02			
			G 02 F		1/03	457	G 02 B	9/00			23/00	53	G 02 C	7/00			
					1/05	458-462	G 02 B	13/04	560	G 02 B	7/02	54,55	G 02 C	7/06			
					1/17	463	G 02 B	9/00			15/14	56	G 02 C	3/04			
					1/19	464	G 02 B	9/62			23/00	57,58	G 02 C	7/08			
					1/21	465-468	G 02 B	9/60	561	G 02 B	23/00	59	G 02 C	9/02			
					1/23	469	G 02 B	9/34	562	G 02 B	23/00	60	G 02 C	1/00			
					1/25	470,471	G 02 B	9/36			27/32	61	G 02 C	7/02			
					1/29	472,473	G 02 B	9/34	563,564	G 02 B	7/02	62	G 02 C	11/08			
					1/31	474	G 02 B	9/12			23/00	63,64	G 02 C	5/08			
					1/35	475,476	G 02 B	9/14	565	G 02 B	7/02	65-89	G 02 C	1/00			
					1/37	477,478	G 02 B	9/12			23/00	90-102	G 02 C	1/08			
					1/39	479	G 02 B	9/04			27/32	103-109	G 02 C	1/04			
					2/00	480	G 02 B	9/06	566	G 02 B	23/00	110	G 02 C	1/02			
					2/02	481	G 02 B	9/04			27/32	111,112	G 02 C	5/14			
					5/30	482	G 02 B	3/00	567,568	G 02 B	23/16	113,114	G 02 C	5/16			
					1/03			11/00	569	G 02 B	23/02	115	G 02 C	5/20			
					1/05	483	G 02 B	3/00	570	G 02 B	7/02	116	G 02 C	5/14			
					1/07			11/06			15/14	117	G 02 C	5/18			
					1/17			11/20	571	G 02 B	27/00	118	G 02 C	5/20			
					1/19			11/30	572,573	G 02 B	23/00	119-123	G 02 C	5/14			
					1/21			11/32			27/00	124	G 02 C	5/02			
					1/23			11/34	574	G 02 B	7/00	125	G 02 C	5/10			
					1/25	484-487	G 02 B	26/08	575	G 02 B	7/00	126	G 02 C	5/06			
					1/29	500	G 02 B	27/64			25/04	127	G 02 C	5/08			
					1/31	501	G 02 B	23/00	576	G 02 B	21/36	128	G 02 C	5/04			
					1/35			27/00			27/32	129-135	G 02 C	5/02			
					1/37	502	G 02 B	21/36	577	G 02 B	7/00	136-139	G 02 C	5/12			
					1/39			23/00	578,579	G 02 B	23/16	140-152	G 02 C	5/00			
					2/00	503-505	G 02 B	17/00	580,581	G 02 B		153	G 02 C	5/22			
					2/02			21/00			11/04	154	G 02 C	5/00			
					5/30			23/06	582-584	G 02 B		155-157	G 02 C	3/00			
					1/03	506	A 61 B	1/00	585	B 65 D	85/38	158	G 02 C	1/00			
					1/05		G 02 B	23/00		G 02 B		159	G 02 C	7/02			
					1/17	507	G 02 B	21/00	586	G 02 B		160-162	G 02 C	7/04			
					1/19	508	G 02 B	21/36	587	G 02 B		163-165	G 02 C	7/10			
					1/21	509,510	G 02 B	21/06		G 03 B	11/04	166,167	G 02 C	7/02			
					1/23	511-513	G 02 B	21/18	588-590	G 02 B		168-172	G 02 C	7/06			
					1/25	514	G 02 B	21/20	600	G 02 B	5/08	173-177	G 02 C	7/02			
					1/29	515,516	G 02 B	21/22	601	G 02 B	5/08	178	G 02 C	13/00			
					1/31	517	G 02 B	21/22			5/26	200	A 61 B	3/00			
					1/35			27/22			27/14	201,202	A 61 B	3/08			
					1/37	518	G 02 B	7/02	602	G 02 B	5/08	203	A 61 B	3/00			
					1/39			21/00			27/14	204,205	A 61 B	3/10			
					2/00	519	G 02 B	7/02	603	G 02 B	5/08	206-210	A 61 B	3/14			
					2/02			15/14	604-606	G 02 B	5/08	211-218	A 61 B	3/10			
					5/30			21/00			7/18	219	A 61 B	3/00			
					27/28	520	G 02 B	7/02	607,608	G 02 B	5/10	220,221	A 61 B	3/10			
					5/30			15/02			7/18	222-226	A 61 B	3/02			
					27/28			21/00	609-613	G 02 B	5/08	227-231	A 61 B	3/04			
					1/23	521,522	G 02 B	21/24	614	G 02 B	5/10	232-244	A 61 B	3/02			
					1/25	523-528	G 02 B	21/06	615-617	G 02 B	5/08	245-247	A 61 B	3/00			
					3/00	529-532	G 02 B	21/26			7/18						
					9/00			21/32	618	G 02 B	5/08						
					21/02	533	G 02 B	21/28	619,620	G 02 B	5/10						
					3/00			21/30	621,622	G 02 B	5/08						
					9/00	534,535	G 02 B	21/34	623	G 02 B	5/08						
					11/00	536	G 01 N	21/01			7/18						
					1/06		G 02 B	21/34	624	G 02 B	5/10	1-18	G 03 B	31/00			
					3/12	537,538	G 02 B	23/00			7/18	19	G 03 B	19/26			
					13/08	539	G 02 B	23/02	625	G 02 B	5/10						
					13/10	540	G 02 B	23/08	626	G 02 B	5/08	20-25	G 03 B	31/00			
					15/02			23/22			7/18	26-30	G 03 B	31/02			
					15/00	541-544	G 02 B	23/08	627	G 02 B	5/08	31-33	G 03 B	31/04			
					13/20			23/16	628-630	G 02 B	5/10	34-37	G 03 B	31/00			
					11/00	545	G 02 B	23/00	631-640	G 02 B	7/18	38,39	G 03 B	19/18			
					3/04	546	G 02 B	23/18	641	G 02 B	5/08			21/32			
					3/04	547	G 02 B	23/16			7/18	40-43	G 03 B	21/32			
					13/18	548	G 02 B	7/02	642	G 02 B	5/08	44-55	G 03 B	19/18			
					3/00			23/00			5/26	56	G 03 B	11/00			
					13/18	549-551	G 02 B	7/09				57-59	G 03 B	35/00			
					3/10			7/28				60,61	G 03 B	35/08			
					3/00			23/00						35/18			
					13/14	552	G 02 B	7/02				62-65	G 03 B	35/02			
					3/00			23/00						35/16			
					5/20	553	G 02 B	7/09				66,67	G 03 B	33/00			
					13/00			7/28				68	G 03 B	41/00			
					13/06			23/00				69	G 03 B	37/00			
					17/00	554,555	G 02 B	7/02	41	G 02 C		70,71	G 03 B	37/04			
					9/00			23/00	42	G 02 C	13/00	72-78	G 03 B	23/02			
					9/08	556	G 02 B	7/06	43	G 02 C	1/00	79-84	G 03 B	41/00			
					3/00			7/03	44	G 02 C	7/10	85-88	G 03 B	21/32			
					3/08			7/28	45,46	G 02 C	7/16	89	A 63 J	5/00			
					3/00			23/00	47,48	G 02 C	9/00	90	G 03 B	21/32			
					9/00	557,558	G 02 B	23/00	49	G 02 C	7/12	91	G 03 B	21/36			
					9/60	559	G 02 B	7/02	50	G 02 C	7/14	92	G 03 B	21/50			
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OPTICS, MOTION PICTURES																	

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U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 352—Con.																	
93,94	G 03 B	19/18	34-36	G 03 B	21/26			19/00	233-236	G 03 B	9/08	465-468	G 03 B	17/18			
95	G 03 B	19/18	37	G 03 B	21/26	6	B 41 B	19/00	237-239	G 03 B	9/64	469,470	G 03 B	7/04			
		21/00	38	G 03 B	21/28		G 03 B	19/00	240	G 03 B	17/38	471-475	G 03 B	17/18			
96	G 03 B	21/06	39	G 02 B	21/36	7	B 41 B	17/00	241	G 03 B	9/28	476-483	G 03 B	7/099			
97	G 03 B	19/24	40-42	G 03 B	21/00	8	G 03 B	15/00	242	G 03 B	9/32	484	G 03 B	7/26			
		21/02	43	G 03 B	29/00		G 03 C	1/00	243,244	G 03 B	9/34	485,486	G 03 B	7/00			
98-103	G 03 B	25/00	44-46	G 03 B	21/00	9	B 41 B	21/32	246,247	G 03 B	9/40						
104	G 03 B	21/10	47	G 03 B	21/22			23/00	248,249	G 03 B	9/38						
105,106	G 03 B	41/02	48,49	G 03 B	21/14	10	G 03 C	1/00	250	G 03 B	9/10	U.S. Class 355					
107,108	G 03 B	41/06	50,51	G 03 B	21/28		B 41 B	21/32	251	G 03 B	9/06	PHOTOCOPYING					
109-112	G 03 B	41/10	52	G 03 B	21/16			23/00	252	G 03 B	9/08						
113-120	G 03 B	41/04	53-59	G 03 B	21/18	11	G 03 B	17/36	253	G 03 B	9/26	1	G 03 B	27/00			
121,122	G 03 B	17/46			21/26			17/38	254,255	G 03 B	9/10	2	G 03 B	27/00			
123	G 03 B	21/04	60,61	G 03 B	21/16	12	B 41 B	17/00	256-260	G 03 B	9/58	18	G 03 B	27/00			
124,125	G 03 B	23/00			21/18		G 03 B	15/00	261-265	G 03 B	9/20	19	G 03 B	27/00			
126-129	G 03 B	21/00	62	G 03 B	21/00		G 03 B	17/00	266-269	G 03 B	17/38						
130	G 03 C	11/00	63	G 03 B	21/08	13	B 41 B	17/04	270-274	G 03 B	9/02						
131,132	G 03 B	29/00	64	G 03 B	21/08		G 03 B	15/16	275-285	G 03 B	17/26						
133-138	G 03 B	19/18			21/28	14	G 03 B	17/04	286	G 03 B	17/00	20	G 03 B	27/32			
		21/32	65	G 03 B	21/06		G 03 B	17/06	287	G 03 B	11/04						
139,140	G 03 B	3/00	66	G 03 B	21/06	15,16	B 41 B	17/00	288	G 03 B	17/02						
141	G 03 B	7/08			21/28		G 03 B	17/06	289.1-289.12	G 03 B	17/00	21	G 03 B	27/52			
142	G 03 B	3/00	67	G 03 B	21/06		G 03 B	17/06	290	G 03 B	15/06	22	G 03 B	27/32			
143-145	G 03 B	21/18			21/06		G 03 B	17/06	291,292	G 03 B	15/00						
146-148	G 03 B	21/16			21/22	17	B 41 B	17/10	293,294	G 03 B	17/00	23-27	G 03 B	27/32			
149-155	G 03 B	21/18			21/28		G 03 B	17/00	295,296	G 03 B	11/00						
156	G 03 B	1/00	68	G 03 B	21/00		G 03 B	17/08	297-299	G 03 D	13/00	28,29	G 03 B	29/00			
157	G 03 B	1/56			23/00	18,19	B 41 B	17/20	300	G 03 D	7/00	30	G 03 B	27/52			
158	G 03 B	1/58	69,70	G 03 B	21/00		G 03 B	17/18	301	G 03 D	9/00	31	G 03 B	27/32			
159	G 03 B	1/56			21/14	20	G 03 B	41/00	302	G 03 D	3/00						
160-165	G 03 B	21/46	71	G 03 B	21/22	21	G 03 B	7/00	303	G 03 D	9/00	32	G 03 B	27/32			
166-168	G 03 B	1/00	72	G 03 B	21/30	62	G 03 B	29/00	304	G 03 D	9/02						
169	G 03 B	21/38	73	G 03 B	21/28	63	G 03 B	37/00	305	G 03 D	9/00	33	G 03 B	27/52			
170-172	G 03 B	1/60			21/30	64	G 03 B	17/08	306	G 03 D	11/00						
173-179	G 03 B	1/00	74-76	G 03 B	21/22	65-74	G 03 B	39/00	307-309	G 03 D	17/00						
180-182	G 03 B	21/48	77,78	G 03 B	21/22	75-78	G 03 B	29/00	310	G 03 D	13/06	34	G 03 B	27/46			
183,184	G 03 B	1/00			21/28	79	G 03 B	17/48	311-316	G 03 D	17/00						
185	G 03 B	1/34	79,80	G 03 B	21/14	80-82	G 03 B	29/00	317,318	G 03 D	5/00	35,36	G 03 B	27/72			
186-190	G 03 B	1/24	81	G 03 B	21/28	83-93	G 03 B	17/50	319-323	G 03 D	3/08	37	G 03 B	27/54			
191-196	G 03 B	1/22	82-84	G 03 B	21/14	94-99	G 03 B	37/00	324-327	G 03 D	3/02						
197	G 03 B	1/00	85-87	G 03 B	21/20	100-102	G 03 B	33/00	328-330	G 03 D	3/04	38	G 03 B	27/80			
198-203	G 03 B	21/00	88-91	G 03 B	21/14	103,104	G 03 B	33/10	331-338	G 03 D	13/02	39	G 03 B	27/32			
		21/20	92	G 03 B	21/14	105-109	G 03 B	17/24	339,340	G 03 D	13/08						
204-206	G 03 B	9/08			23/04	110-112	G 03 B	35/00	341-344	G 03 D	13/14	40-42	G 03 B	27/52			
207	G 03 B	9/28	93	G 03 B	21/14	113-117	G 03 B	35/08	345-347	G 03 D	13/10	43	G 03 B	27/52			
		9/36			23/18	118,119	G 03 B	41/00	348-353	G 03 D	15/00						
208-220	G 03 B	9/10	94	G 03 B	21/26	120-125	G 03 B	1/00	354	G 03 B	19/00	44	G 03 B	13/24			
221	G 03 B	1/48	95,96	G 03 B	1/48	126-129	G 03 B	15/02	400-409	G 03 B	3/00						
222	G 03 B	1/52			1/50	130	G 03 B	15/04			13/18	45	G 03 B	13/28			
223-231	G 03 B	1/48			1/52	131-144	G 03 B	15/03	410-412	G 03 B	7/00	46	G 03 B	27/44			
232-241	G 03 C	1/76	97	G 03 B	21/14	145.1	G 03 B		413	G 03 B	7/00	47	G 03 B	27/58			
242	G 03 B	17/02	98,99	G 03 B	21/28	146-149.11	G 03 B	15/03			15/03						
		21/14	100	G 03 B	21/14	150	G 03 B	15/00	414-418	G 03 B	7/00	48	G 03 B	27/48			
243	G 03 B	17/00	101	G 03 B	3/00	151	G 03 B	19/14			15/05						
		21/00			21/14	152-158	G 03 B	19/12	419,420	G 03 B	7/00	49	G 03 B	27/48			
244	G 03 B		102	G 03 B	21/20	159,160	G 03 B	17/02			15/03						
	G 03 C		103,104	G 03 B	23/00	161	G 03 B	17/44	421	G 03 B	7/16						
			105,106	G 03 B	23/02	162-169	G 03 B	13/20	422,423	G 03 B	7/00	50	G 03 B	27/48			
					23/04	170-173.11	G 03 B	1/18			15/03						
U.S. Class 353			107	G 03 B	23/06	174-186	G 03 B	19/10	424	H 05 B	41/00	51	G 03 B	27/50			
OPTICS, IMAGE PROJECTORS			108	G 03 B	23/10	187,188	G 03 B	17/04	425	G 03 B	7/08						
			109	G 03 B	23/08	189	G 03 B	5/06	426	G 03 B	7/091						
1-3	G 03 B	21/00	110	G 03 B	23/10	190	G 03 B	5/02	427-440	G 03 B	7/08	52	G 03 B	27/68			
4	G 03 B	23/08	111-113	G 03 B	23/02	191-194	G 03 B	17/04	441-445	G 03 B	7/08	53	G 03 B	27/42			
5-14	G 03 B	21/00	114	G 03 B	23/14	195.1-195.13	G 03 B	1/18			7/087	54	G 03 B	27/44			
15,16	G 03 B	31/00	115,116	G 03 B	23/04	199-201	G 03 B	3/00			7/097	55	G 03 B	27/52			
17	G 03 B	21/30	117	G 03 B	23/06	202,203	G 03 B	17/00	446	G 03 B	7/08	56	G 03 B	27/34			
		31/00	118	G 03 B	23/00	204-206	G 03 B	17/42	447	G 03 B	7/12						
18	G 03 B	21/22	119	G 03 B	21/14	207-209	G 03 B	19/02	448-450	G 03 B	7/08	57	G 03 B	27/40			
		31/00			21/22	210	G 03 B	19/06			7/085						
		31/00	120-122	G 03 B	21/00	211	G 03 B	17/22			7/095						
19	G 03 B	31/06				212-216	G 03 B	1/00	451,452	G 03 B	7/08	58,59	G 03 B	27/36			
20	G 03 B	21/14				217	G 03 B	17/36			7/10						
21	G 03 B	21/00				218	G 03 B	1/60	453-455	G 03 B	7/08	60	G 03 B	27/70			
22	G 03 B	21/14				219,220	G 03 B	13/02			7/085	61-63	G 03 B	27/52			
23,24	G 03 B	1/48				221	G 03 B	13/14			7/095	64	G 03 B	27/32			
		21/14				222	G 03 B	13/10	456,457	G 03 B	7/08						
25	G 03 B	23/02	1	G 03 B	41/00	223	G 03 B	13/02			7/083	65,66	G 03 B	27/52			
		23/04	2	G 03 B	7/00	224,225	G 03 B	13/08			7/093	67	G 03 B	27/70			
		23/06	3	G 03 G		226	G 03 B	9/08	458	G 03 B	7/093	68	G 03 B	27/54			
26	G 03 B	23/12	4	G 03 B	41/00	227.1	G 02 F	1/00	459	G 03 B	7/083						
27	G 03 B	23/08	5	B 41 B	13/00	228	G 03 B	9/00	460	G 03 B	7/089	69	G 03 B	27/72			
28-30	G 03 B	21/26			15/00	229	G 03 B	9/04	461	G 03 B	7/08	70	G 03 B	27/54			
31-33	G 03 B	21/00			17/00	230	G 03 B	9/08	462	G 03 B	7/12	71	G 03 B	27/72			
						231,232	G 03 B	9/00	463,464	G 03 B	7/08	72	G 03 B	27/58			

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 355—Con.														
73	G 03 B	27/60	271-273	G 03 G	15/14	140,141	G 01 B	11/26	364-370	G 01 J	4/00			29/78
74	G 03 B	27/58	274,275	G 03 G	15/16		G 01 C	1/00	371	G 01 B	11/30	23.6	H 01 L	29/68
75	G 03 B	27/62	276,277	G 03 G	15/14	142,143	G 01 C	1/06	372	G 01 B	11/00			29/78
76	G 03 B	27/62	278	G 03 G	8/00	144-147	G 01 C	1/00	373-375	G 01 B	11/14			29/92
					15/14	148,149	G 01 C	1/10	376,377	G 01 B	11/24	23.7	H 01 L	27/01
					15/12	150,151	G 01 B	1/00	378	G 01 B	11/22			27/13
			279	G 03 G	15/12		G 01 C	21/06	379,380	G 01 B	11/28			29/78
77	G 03 B	27/32			15/14	152	G 01 B	11/26	381,382	G 01 B	11/06	23.8	H 01 L	29/68
78,79	G 03 B	27/02	280,281	G 03 G	15/20		G 01 C	1/00	383	G 01 B	11/02			29/78
80	G 03 B	27/72	282	G 03 G	15/20	153	G 01 B	11/26	384	G 01 B	11/02	23.9	H 01 L	29/06
81	G 03 B	27/80	283	G 03 G	15/22	154	G 01 B	11/26			11/08			29/78
82	G 03 B	27/80			15/20		G 01 C	1/00	385	G 01 B	11/04	24	H 01 L	29/78
83	G 03 B	27/10	284	G 03 G	21/00	155	G 01 B	11/26			11/10	25	H 01 L	29/66
84	G 03 B	27/04			15/20	213	G 01 J	1/00	386	G 01 B	11/10			29/96
85,86	G 03 B	27/20	285-295	G 03 G	21/00	214	G 01 J	1/60	387	G 01 B	11/08	26	H 01 L	29/84
87	G 03 B	27/04	296-325	G 03 G	15/01	215	G 01 J	1/46			11/08			29/96
88,89	G 03 B	27/08	326-328	G 03 G		216	G 01 J	1/56	388-390	G 01 B	11/00	27	H 01 L	27/22
90	G 03 B	27/20				217	G 01 J	1/34	391-393	G 01 B	9/00			29/82
91-94	G 03 B	27/20						1/36	394-401	G 01 B	11/00			29/96
95	G 03 B	27/04				218-225	G 01 J	1/42	402,403	G 01 J	3/46			43/00
96	G 03 B	27/06				226	G 01 J	1/44	404	G 01 J	3/40	28	H 01 L	23/58
97	G 03 B	27/04				227,228	G 01 J	1/42	405-409	G 01 N	21/25			29/66
98	G 03 B	27/08				229	G 01 J	1/10	410,411	G 01 N	21/85	29	G 01 T	1/24
99	G 03 B	27/04				230-232	G 01 J	1/12	412-420	G 01 N	21/25			27/14
100	G 03 B	27/30	1	G 01 C	3/00	233-235	G 01 J	1/40	421-424	G 01 J	3/52			31/00
101	G 03 B	27/04			5/00	236	G 01 J	1/04	425	G 01 J	3/46	30	H 01 L	27/14
102	G 03 B	27/06	2	G 01 C	11/12	237-242	G 01 N	21/00	426	G 01 N	21/84			31/00
103	G 03 B	27/10	3	G 01 C	3/00	243	G 01 J	1/02	427,428	G 01 N	21/90	31	H 01 L	27/14
104	G 03 B	27/22			5/00	244	G 01 N	21/01	429-431	G 01 N	21/84			31/00
105	G 03 B	27/10	4	G 01 C	3/08	245	G 01 N	21/01	432-444	G 01 N	21/00			31/14
106,107	G 03 B	27/30	4.5	G 01 C	3/00			33/36	445	G 01 N	21/55	32	H 01 L	27/14
108	G 03 B	27/10	5	G 01 C	3/08	246	G 01 N	1/10	446	G 01 N	21/47			31/00
109	G 03 B	27/12	6	G 01 C	25/00	247	G 01 C	9/02	447,448	G 01 N	21/55	33	H 01 L	29/00
110,111	G 03 B	27/10	7	G 01 C	3/02			9/12				34-36	H 01 L	29/72
112	G 03 B	27/14	8	G 01 C	3/04			9/16				37	H 01 L	29/00
113,114	G 03 B	27/04	9	G 01 C	3/10			9/18				38	H 01 L	29/74
115	G 03 B	27/72	10	G 01 C	3/02			27/32				39	H 01 L	29/747
116	G 03 B	27/04	11	G 01 C	3/20		G 02 B					40-44	H 01 L	27/02
117	G 03 B	27/22	12-14	G 01 C	3/14	248	G 01 C	9/02				45	H 01 L	27/10
118	G 03 B	27/04	15	G 01 C	3/24			9/16						27/15
119	G 03 B	27/16	16,17	G 01 C	3/12			9/18						27/02
120-124	G 03 B	27/04	18	G 01 C	3/02			9/18						27/04
125,126	G 03 B	27/28	19	G 01 C	3/12	249	G 01 C	9/12						27/12
127-131	G 03 B	27/04	20	G 01 C	3/10	250	G 01 C	9/16						27/04
132	G 03 B	27/02			3/22			23/10						27/12
133	G 03 B				3/24	251,252	G 02 B	27/32						27/02
200	G 03 G	15/00			3/26	253-256	G 02 B	27/32						29/34
201-209	G 03 G	21/00			5/00	300	G 01 J	3/00						29/40
210	G 03 G	13/00	21,22	G 01 C	5/02	301	G 01 J	3/44						29/34
		15/30			3/22	302-305	G 01 J	3/40						29/06
		5/00			3/26	306	G 01 J	3/30						29/66
		15/048			5/02	307	G 01 J	3/36						29/12
		15/056			3/40	308	G 01 J	3/06						29/04
		5/00			3/36	309	G 01 J	3/06						29/161
			23-26	G 01 P	21/00			3/42						29/20
212,213	G 03 G	5/00	27-29	G 01 P	11/16	310	G 01 J	3/04						29/22
214-216	G 03 G	21/00	30,31	G 01 N	11/18	311	G 01 J	3/30						29/24
217	G 03 G	15/044	32	G 01 B	1/24			3/443						29/22
		15/18	33-35	G 01 B	1/00	312-318	G 01 J	3/30						29/167
218	G 03 G	21/00	35.5	G 01 L	1/00	319	G 01 J	3/42						29/207
219	G 03 G	15/02	36,37	G 01 N	33/28			3/427						29/227
220	G 03 G	15/24	38	G 01 N	33/48	320,321	G 01 J	3/42						29/48
221-227	G 03 G	15/02	39-42	G 01 N	5/48	322	G 01 J	3/42						29/40
228,229	G 03 G	15/04	43,44	G 01 J	5/60			3/447						29/48
230,231	G 03 G	21/00	45	G 01 J	5/52	323	G 01 J	3/42						29/46
232	G 03 G	15/04	46	G 01 J	5/56			3/433						29/62
233-236	G 03 G	15/28	47	G 01 J	5/52	324,325	G 01 J	3/42						29/64
237,238	G 03 G	15/04	48	G 01 J	5/62	326	G 01 J	3/28						29/48
239	G 03 G	15/048			5/54	327	G 01 J	3/28						29/44
		15/32	49	G 01 J	5/56			3/447						29/52
240	G 03 G	15/04	50	G 01 J	3/00	328-330	G 01 J	3/28						29/60
241	G 03 G	15/26	51	G 01 J	43/00	331-333	G 01 J	3/12						29/48
242-244	G 03 G	15/04	52-68	A 01 K	33/08	334	G 01 J	3/18						29/54
245	G 03 G	15/06		G 01 N	11/24	335,336	G 01 N	15/02						29/62
246	G 03 G	21/00	69	G 01 B	11/30	337-344	G 01 N	21/00						29/78
247-250	G 03 G	15/08			33/28	345	G 01 B	9/02						29/78
251-253	G 03 G	15/09	70	G 01 N	9/74	346	G 01 B	9/02						29/86
254	G 03 G	15/08	71	G 06 K	21/00			3/45						29/06
255,256	G 03 G	15/10	72-73.1	G 01 N	1/00	347,348	G 01 B	9/021						29/78
257	G 03 G	15/10	121-123	G 01 J	9/00	349-354	G 01 B	11/02						29/20
		17/04	124	G 01 B	11/00	355-358	G 01 B	11/00						29/78
258	G 03 G	15/10	124.5	G 01 M	21/41	359,360	G 01 B	21/43						29/10
259-268	G 03 G	15/06	125-127	G 01 B	11/26	361	G 01 N	21/45						29/78
269	G 03 G	15/06	128-137	G 01 N	1/06			11/00						23/42
		15/24	138	G 01 B										23/46
		21/00		G 01 C										
270	G 03 G	15/06	139	G 01 C										

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 357—Con.			93	H 04 N	7/18	216	H 04 N	3/36	U.S. Class 360					15/00
			94-96	H 04 N	7/00			5/253	DYNAMIC MAGNETIC INFORMATION STORAGE OR RETRIEVAL			97.01	G 11 B	5/012
80	H 01 L	39/02	97-100	H 04 N	7/18	217	H 04 N	3/30				97.02-97.04	G 11 B	33/14
81	H 01 L	23/02	101	H 04 N	7/00	218	H 04 N	5/228				98.01-98.03	G 11 B	5/012
82-84	H 01 L	25/04	102	H 04 N	7/18	219	H 04 N	5/235	1	G 11 B	5/00			17/08
85	H 01 L	49/00	103	H 04 N	7/00	220	H 04 N	5/30	2	G 11 B	25/04			17/22
			104	G 09 B	9/00	221-223	H 04 N	5/228	3	G 03 B	31/00			17/08
				H 04 N	7/18	224	H 04 N	5/30	4-8	G 11 B	5/633	98.04-98.08	G 11 B	17/08
			105-109	H 04 N	7/18	225	G 02 B	13/16	9.1-11.1	G 11 B	5/00	99.01-99.05	G 11 B	5/016
			110	H 04 N	5/30		H 04 N	5/225	12	H 04 N	5/78	99.06,99.07	G 11 B	17/04
					5/335	226	G 02 B	27/10	13-14.3	G 11 B	5/00	99.08-99.12	G 11 B	5/004
			111	H 04 N	5/32		H 04 N	5/225	15-17	G 11 B	5/86	100.1	G 11 B	19/00
			112	H 04 N	5/31	227	H 04 N	5/232	18	G 11 B	5/02	101	G 11 B	21/02
			113	H 04 N	5/33	228	H 04 N	5/238	19.1	G 11 B	5/02	102,103	G 11 B	5/60
			125,126	H 04 N	5/225	229	H 04 N	5/30	20-25	G 11 B	5/02			15/64
1,2	H 04 N	11/00	133-136	H 04 N	7/12	230	H 04 N	5/66	26	G 11 B	20/20			21/20
3	H 04 N	15/00	137	H 04 N	3/32	231	H 04 N	5/74	27,28	G 11 B	5/02	104	G 11 B	5/48
10	H 04 N	17/02			7/12	232	G 02 F	1/01	29	G 11 B	5/02	105	G 11 B	5/54
11	H 04 N	11/20			7/12		H 04 N	5/74			20/06			21/22
12	H 04 N	11/06	138	H 04 N	7/12		H 04 N	5/74			20/08	106	G 11 B	5/55
13	H 04 N	11/04	139	H 04 N	17/00	233,234	H 04 N	5/74	30	G 11 B	20/06			21/08
14	H 04 N	11/18	140	H 04 N	7/01	235	G 02 F	1/11	31	G 11 B	27/36			5/52
15	H 04 N	11/12	141	H 04 N	7/04		H 04 N	5/74	32	G 11 B	5/00	107,108	G 11 B	21/04
16	H 04 N	11/14	142	H 04 N	7/08	236-239	H 04 N	5/74	33.1-38.1	H 04 N	5/78			21/18
17	H 04 N	9/44	143-147	H 04 N	7/04	240	H 04 N	3/12	39	G 11 B	5/09	109	G 11 B	5/56
18	H 04 N	9/47	148,149	H 04 N	5/04	241	H 04 N	3/14	40-44	G 11 B	5/09	110	G 11 B	5/127
19,20	H 04 N	9/45	150	H 04 N	5/06			5/70			20/14	111	G 11 B	5/335
		9/455	151	H 04 N	5/067	242,243	H 04 N	5/68	45-54	G 11 B	5/09	112	G 11 B	5/37
21	H 04 N	9/64	152	H 04 N	5/04	244	H 04 N	5/84	55,57	G 11 B	5/02	113	G 11 B	5/127
22	H 04 N	9/74	153	H 04 N	5/08	244.1	G 03 B	15/00	58	G 11 B	5/027	114	G 11 B	5/127
23-25	H 04 N	9/65	154	H 04 N	5/10		H 04 N	5/84	59	G 11 B	5/02	115	G 11 B	5/127
		9/66	155-157	H 04 N	5/08	244.2	G 03 B	41/02	60	G 11 B	15/04			5/33
26	H 04 N	9/70	158,159	H 03 L	7/00		H 04 N	5/84	61-63	G 11 B	15/12	116,117	G 11 B	5/127
27-29	H 04 N	9/64		H 04 N	5/04	245-247	H 04 N	5/65	64	G 11 B	15/14	118	G 11 B	5/325
30	H 04 N	9/67	160	H 04 N	5/14	248	H 04 N	5/645	65	G 11 B	5/035	119	G 11 B	5/23
		9/76	161	H 04 N	5/58	249	H 04 N	5/655	66	G 11 B	5/03	120	G 11 B	5/235
31	H 04 N	9/64	162	H 04 N	5/208	250-253	H 04 N	5/72	67,68	G 11 B	5/02	121	G 11 B	5/265
32	H 04 N	9/69	163	H 04 N	5/14	254,255	H 04 N	5/64	69	G 11 B	15/18			5/29
33	H 04 N	9/64			5/228	256	H 04 N	1/00	70	G 11 B	17/00	122	G 11 B	5/187
34	H 04 N	9/72	164	H 04 N	5/202	257	H 04 N	1/32	71-72.3	G 11 B	21/04	123,124	G 11 B	5/17
35-38	H 04 N	9/64	165	H 04 N	3/24	258	H 04 N	1/20			15/18	125	G 11 B	5/127
39	H 04 N	9/64	166	H 04 N	5/14	260	H 04 N	1/40			17/00	126	G 11 B	5/147
40	H 04 N	9/77			5/208	261.1	H 04 N	1/417	73.01-73.09	G 11 B	15/46	127	G 11 B	5/133
		9/77	167	H 04 N	5/213	261.2	H 04 N	1/419	73.11-73.14	G 11 B	15/52	128	G 11 B	5/10
41,42	H 04 N	9/04	168	H 04 N	5/235	261.3	H 04 N	1/417	74.1-74.7	G 11 B	15/48			5/41
43-46	H 04 N	9/07			5/57	261.4,262.1	H 04 N	1/415	75	G 11 B	21/02	129	G 11 B	5/10
		9/077	169	H 04 N	5/57	263	H 04 N	1/411	76	G 11 B	5/00	130.1-130.34	G 11 B	15/60
47	H 04 N	9/083	170	H 04 N	5/14	264-279	H 04 N	1/40	77.01	G 11 B	5/58	131	G 11 B	5/74
48,49	H 04 N	9/07	171	H 04 N	5/16	280-284	H 04 N	1/36	77.02-77.11	G 11 B	5/596			23/00
		9/077	172	H 04 N	5/18	285-287	H 04 N	1/04	77.12-77.14	G 11 B	5/584	132	G 11 B	23/02
50	H 04 N	9/09	173	H 04 N	5/16	288	H 04 N	1/06	77.15	G 11 B	5/58	133	G 11 B	23/03
		9/097	174-177	H 04 N	5/52	289,290	H 04 N	1/08	77.16,77.17	G 11 B	21/02	134	G 11 B	5/78
51	H 04 N	9/093	178	H 04 N	5/53	291	H 04 N	1/04	78.01-78.03	G 11 B	5/55	135	G 11 B	5/82
52	H 04 N	9/097	179	H 04 N	5/52	292	H 04 N	1/04	78.04-78.14	G 11 B	5/596	136	G 11 B	5/76
		9/097	180	H 04 N	3/223	293	H 04 N	1/10	78.15	G 11 B	5/584	137	G 11 B	
53	H 04 N	9/10	181	H 04 N	5/268	294	H 04 N	1/024	79	G 11 B	31/00			
54	H 04 N	9/11	182	H 04 N	5/262	295	H 04 N	1/024	80	G 03 B	31/00			
55	H 04 N	9/07	183	H 04 N	5/262	296-299	H 04 N	1/21	81	G 11 B	5/52			
		9/09			5/272	300	H 04 N	1/23	82	G 11 B	21/04			
56-58	H 04 N	9/12	184	H 04 N	5/14			1/23			15/70			
59	H 04 N	9/30			5/228	301	H 04 N	1/27	83-85	G 11 B	19/00	1-9	H 02 H	3/00
60-62	H 04 N	9/31	185	H 04 N	5/222	302-304	H 04 N	1/21	86	G 11 B	5/027	10-14	H 01 H	9/30
63	H 04 N	9/14	186	H 04 N	5/38	305	H 04 N	1/00			5/012			9/56
64	H 04 N	9/16			5/40			7/00			5/52			73/18
		9/18	187	H 04 N	5/38			9/79			17/00	15-17	H 01 G	1/10
65	H 04 N	9/20	188	H 04 N	5/44	310-313	H 04 N	9/79			5/52			1/11
66	H 04 N	9/22	189	H 04 N	5/46	314	H 04 N	9/88			19/00			7/16
67-70	H 04 N	9/24	190	H 04 N	5/63	315,316	H 04 N	9/79			5/004	18,19	H 02 H	7/00
71	H 04 N	9/26	191.1-193.1	H 04 N	5/50	317	H 04 N	9/70			5/52			9/00
72,73	H 04 N	9/27	194.1	H 04 N	5/44	318	H 04 N	9/79			17/00	20,21	H 02 H	7/06
74	H 04 N	9/16	195.1	H 04 N	5/50	319	H 04 N	9/80			5/008	22	H 02 H	7/00
75	H 04 N	1/46	196	H 04 N	5/00	320-326	H 04 N	9/89			15/68	23-32	H 02 H	5/04
76	G 03 F	3/10	197	H 04 N	5/62	327-333	H 04 N	9/79			5/008	33,34	H 02 H	7/09
77,78	H 04 N	1/46	198	H 04 N	5/60	334	H 04 N	9/81						
79,80	G 03 F	3/08	199,200	H 04 N	3/02	335	H 04 N	5/76						
81	H 04 N	1/46	201	G 02 F	1/33	336	H 04 N	5/94						
82	H 04 N	11/00	202-204	H 04 N	3/04	337-339	H 04 N	5/95						
83	H 04 N	7/00	205	H 04 N	3/06	340,341	H 04 N	5/91						
84	H 04 N	7/00	206-208	H 04 N	3/08	342,343	H 04 N	5/76						
		7/10	209-211	H 04 N	5/30	344	H 04 N	5/82						
85	H 04 N	7/14	212	H 04 N	3/12	345-348	H 04 N	5/84						
86	H 04 N	1/00	213.11-213.31	H 04 N	3/14	349	H 04 N	7/167						
		7/10			5/335	909	H 04 N	5/225						
87	H 04 N	7/00	214	H 04 N	3/36									
88-91	H 04 N	13/00			5/253									
92	H 04 N	13/00	215	H 04 N	3/40									
		13/02			5/253									
									U.S. Class 361			ELECTRICITY, ELECTRICAL SYSTEMS AND DEVICES		

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 361—Con.			138	H 01 T	4/00	188	H 01 H	47/32		H 02 H				1/16
			139-141	H 01 H	47/00	189	H 01 H	9/00		H 05 F	3/00			4/34
35,36	H 02 H	7/04	142	H 01 H	47/00			47/00	226	H 01 G		273	H 01 G	5/36
37	H 02 H	5/04			47/24	190	H 01 H	47/00		H 01 H				1/017
		5/06			47/26			47/18		H 02 B		274	H 01 G	4/24
		7/04			50/12			47/32		H 02 H				1/08
38-41	H 02 H	7/04	143,144	H 01 H	47/00	191	H 01 H	47/00		H 05 B				1/11
42	H 02 H	3/00	145	H 01 F	13/00	192	H 01 H	9/00		H 05 F				5/34
		9/08		H 01 H	47/00			47/00	227	H 05 B		275	H 01 G	1/11
43	H 02 H	9/08	146	H 01 H	47/00			47/18		H 05 F	3/00			1/13
44-46	H 02 H	3/16			47/28	193	H 01 H	47/00	228	H 05 B				1/16
		3/26	147	H 01 H	47/00			47/28	229	H 01 H	47/32	276	H 01 G	1/08
		3/32	148-151	H 01 F	13/00	194	H 01 H	9/00		H 05 B		277	H 01 G	5/00
47-50	H 02 H	3/00		H 01 H	47/00			47/00		H 05 F	3/00			7/00
		9/08	152	H 01 H	47/00	195	H 01 H	9/00	230	H 01 T	23/00	278	H 01 G	5/01
51	H 02 H	3/00			47/28			47/00	231	H 01 G		279	H 01 G	5/02
		7/00			47/32			47/18		H 01 H		280	H 01 G	7/00
52-54	H 02 H	9/00	153	H 01 H	47/28			51/30		H 01 T	23/00	281	H 01 G	7/00
55	H 02 H	3/00			47/32	196-198	H 01 H	47/18		H 02 B				7/06
		7/00	154	H 01 H	9/00			47/32		H 02 H		282	H 01 G	7/00
		9/00			47/00	199	H 01 H	47/00		H 05 B				7/04
		9/00			47/32			47/18		H 05 F	3/00	283	H 01 G	7/00
56-58	H 02 H	3/00			51/30			47/28	232	H 01 G		284	H 01 G	5/28
59	H 02 H	5/00	155,156	H 01 H	47/00			51/30		H 01 H		285	H 01 G	5/20
		3/26			47/32	200	H 01 H	47/18		H 01 T	23/00	286	H 01 G	5/20
		3/28			47/00	201	H 01 H	47/00		H 02 B				5/28
		3/32	157	H 01 H	47/00			47/18		H 02 H		287	H 01 G	5/00
		5/00	158	H 01 H	47/26	202	H 01 H	9/00		H 05 F		288	H 01 G	5/01
61	H 02 H	3/00			50/12			47/00	233	H 01 G		289	H 01 G	5/00
		5/00	159	H 01 H	47/00			47/18		H 01 H	23/00	290	H 01 G	5/16
62-65	H 02 H	3/00	160	H 01 H	9/00	203	H 01 H	47/12		H 01 T		291	H 01 G	5/18
		7/00			47/00	204	H 01 H	47/34		H 02 B		292	H 01 G	5/04
67-70	H 02 H	3/00			51/22	205	H 01 H	47/26		H 02 H		293	H 01 G	5/06
		7/26			51/30			50/12		H 05 B		294,295	H 01 G	5/12
71-75	H 02 H	3/00	161	H 01 H	47/26	206	H 01 H	9/00		H 05 F	3/00			5/14
		5/00			50/12			47/00	234	H 01 G		296	H 01 G	5/14
76,77	H 02 H	3/26	162	H 01 H	47/00			47/04		H 01 H	23/00	297	H 01 G	5/10
		3/38			47/26	207	H 01 G			H 01 T				5/12
78-87	H 02 H	3/18			50/12			47/00		H 02 B				5/18
		3/26	163	H 01 H	9/00			59/00		H 02 H		298	H 01 G	5/06
		3/42			47/00				235	H 05 F		299	H 01 G	5/06
88,89	H 02 H	3/14			47/18					H 01 G				5/38
		3/20			47/26					H 01 H		300	H 01 G	5/36
		3/24			50/12	208	H 01 H	47/00		H 01 T	23/00	301	H 01 G	4/00
90	H 02 H	3/38	164	H 01 H	47/18			47/04		H 02 B		302	H 01 G	4/42
		3/20			47/26			47/18		H 02 H		303	H 01 G	1/005
		3/24			50/12			51/22		H 05 B				1/01
91	H 02 H	3/20	165	H 01 H	47/26	209	H 01 H	47/00		H 05 F	3/00			1/013
		9/04			47/32			51/30	236	H 01 H	47/00	304	H 01 G	1/015
92	H 02 H	3/24			50/12	210	H 01 H	47/00			47/18	305	H 01 G	1/01
93-98	H 02 H	3/00	166	H 01 H	47/00	211	H 01 H	47/26			47/26	306,307	H 01 G	1/14
		7/00			47/14			50/12			47/32	308	H 01 G	1/13
		9/02	167	H 01 H	47/00	212	H 01 G			H 02 P				1/147
		3/00			47/32				237-241	H 02 P		309,310	H 01 G	1/14
99	H 02 H	5/04	168.1	H 01 H	47/14				242	H 01 H	47/32	311	H 01 G	4/06
		7/00	169.1	H 01 H	47/14			1/00		H 02 P		312	H 01 G	4/20
100-102	H 02 H	3/00			47/28			3/22	243	H 01 H	47/00	313	H 01 G	4/06
		7/00	170	H 01 H	47/00			3/00	244-246	H 02 P				4/20
		9/02			47/28				247	H 02 P		314-319	H 01 G	4/22
103-106	H 02 H	5/04			47/32	213	H 05 F			F 23 Q	3/00	320	H 01 G	4/20
107,108	H 02 H	7/00	171	H 01 H	47/00		H 01 G				5/00	321	H 01 G	4/10
109	H 02 H	11/00	172	H 01 H	47/00		H 02 B				7/00			4/12
110	H 02 H	1/04			47/28		H 02 H		248	G 01 V	1/06	322	H 01 G	4/10
111	H 02 H	3/22	173-175	H 01 H	47/24		H 05 B			F 23 Q	7/00	323	H 01 G	4/08
112	H 02 H	7/20	176	H 01 H	47/00		H 05 F	3/00			21/00	324	H 01 G	4/16
113,114	H 02 H	1/00			47/24	214	H 05 F	3/00		G 01 V	1/06			4/18
115,116	H 01 H	73/00	177	H 01 H	47/24	215	H 01 G	1/08		H 05 B	43/02	325	H 01 G	4/08
117	H 02 H	1/00	178,179	H 01 H	47/12		H 05 F	3/00	249-252	F 23 Q	7/00	326	H 01 G	4/02
		1/04			47/28	216	H 05 F	3/00	253,254	F 23 Q	3/00	327	H 01 G	4/04
		3/22	180	H 01 H	47/12	217	H 01 G		255	F 23 Q	5/00	328-330	H 01 G	4/38
		9/06			47/32		H 01 H		256-260	F 23 Q	3/00	331,332	H 02 B	
118,119	H 01 C	7/12	181	H 01 H	47/12		H 02 B		261	F 23 Q	5/00	333	H 02 B	5/00
	H 02 H	1/00	182	H 01 H	47/18		H 02 H		262	F 23 Q	3/01	334	H 02 B	1/26
		1/04			47/20			3/00			5/00	335	H 02 B	5/00
		3/22			47/28	218	H 01 G	1/08	263	F 23 Q	3/00			7/00
120	H 02 H	9/06			51/32		H 05 F	3/00	264-266	F 23 Q	7/00	336,337	H 02 B	11/00
		1/00	183	H 01 H	47/20	219	H 05 F	3/00	267	H 01 F	13/00	338,339	H 02 B	11/12
		1/04	184	H 01 H	47/00	220	H 01 G			H 01 H	47/00	340	H 02 B	1/04
		3/22			47/20		H 01 H	47/00	268	H 01 H	9/28	341	H 02 B	1/20
		9/06			51/30		H 02 B				27/00	342	H 02 B	13/02
121-135	H 02 H	1/00	185	H 01 H	47/28		H 02 H				47/00	343	H 02 B	5/00
136	H 01 T	1/00			47/32		H 05 F	3/00			63/00			7/00
		4/00	186	H 01 H	47/18	221-224	H 05 F	3/00	269,270	H 01 H	9/28	344	H 02 B	5/00
		14/00			47/32	225	H 01 G		271	H 01 G		345	H 02 B	1/14
137	H 01 T	4/00	187	H 01 H	47/28		H 01 H		272	H 01 G	1/06	346	H 02 B	1/01
		14/00			47/32		H 02 B				1/10	347,348	H 02 B	1/04

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U.S. Class 361—Con.			428	H 02 B	1/20	540	H 01 G	1/14	82	B 60 Q	1/00	174-177	F 21 S	17/00
			429	H 02 B	1/01			9/00			1/32		F 21 L	19/02
		1/18	430	H 01 H	85/20	541	H 01 G	5/38			3/00	178	F 21 S	17/02
349	H 02 B	1/18		H 02 B	1/18			9/00	83	B 60 Q	1/00		F 21 L	19/00
350,351	H 02 B	1/04	431	H 01 H	85/04						1/26	179	F 21 H	17/00
352	H 02 B	1/056	432	H 01 H	85/22						1/32		F 21 L	19/00
353,354	H 02 B	1/04		H 02 B	1/18						3/00			25/00
355	H 02 B	1/20	434	H 01 G	9/00	U.S. Class 362					11/00	180	F 21 L	19/00
356	H 02 B	1/26	435	H 01 G	9/18	ILLUMINATION			83.1	B 60 Q	1/26			25/00
357	H 02 B	1/04	436	H 01 G	9/16						1/12		F 21 S	13/00
		1/18	437	H 01 G		1	F 21 V	7/00		B 60 R	1/56		F 21 V	17/00
		1/26		H 01 H			H 05 B	35/00	83.2	B 60 Q	1/26	181	F 21 V	19/00
358	H 02 B	1/015		H 02 B		2	F 21 V	9/02	83.3	B 60 Q	9/16	182	F 21 V	15/00
		1/26		H 02 H		3-18	G 03 B	15/02	84	F 21 V	33/00			17/00
359	H 02 B	1/26		H 05 F		19	F 21 V	9/14	85	F 21 V	1/22			21/00
360	H 02 B	1/04	500	H 01 G	9/00	20	F 21 V	19/04	86	H 04 M	33/06	183	F 21 L	7/00
		1/18	501	G 01 R	27/22	21,22	F 21 V	25/00	87	G 11 B	1/22			9/00
		1/26		H 01 G	9/00	23	G 01 D	11/28	88	H 04 M	33/00			11/00
361	H 02 B	1/20	502,503	H 01 G	9/00	24	H 04 M	1/22	89	F 21 V	79/00			13/00
362	H 02 B	1/26	504	H 01 G	9/02	25	F 01 P	11/16	90	D 05 B	9/30	184	F 21 L	7/00
363	H 02 B	1/20		H 01 M	6/04	26-30	G 01 D	11/28	91	A 47 L	33/00			9/00
364-375	H 02 B	1/00	505-507	H 01 G	9/02	31,32	F 21 V	7/04	92-94	F 21 V	27/00			11/00
376	H 02 B	1/04	508	H 01 G	1/005	33	A 61 G	13/00		F 25 D	21/02		F 21 V	33/00
377	H 02 B	1/18			9/04		F 21 V	13/00	95,96	F 27 D	13/04	185-188	F 21 L	7/00
		1/30	509	H 01 G	9/05	34	F 21 K	2/00	97	G 09 F	19/00			9/00
378	H 02 B	1/20	510	H 01 G	1/14	35	F 21 V	21/30	98	A 47 B	33/00	189	F 21 L	11/00
379-389	H 02 B	1/00			9/04	36	B 60 Q	1/12	99	F 21 V	17/10			7/00
	H 05 K	7/20	511	H 01 G	4/32	37	B 60 Q	1/064	100	E 05 B	33/00			9/00
390	H 05 K	5/00			9/04			1/076	101	F 21 V	3/02			11/00
		5/03	512	H 01 G	9/02	38	B 60 Q	1/12	102	A 45 B	15/02	190	F 21 L	7/00
391	H 05 K	7/16	513	H 01 G	9/06	39,40	B 60 Q	1/06		A 63 B	15/08			9/00
392,393	H 05 K	7/00			1/08			1/12	103,104	F 21 L	15/14			11/00
394	H 05 K	5/00	514	H 01 G	9/00	41	B 60 Q	1/24		F 21 L	33/00	191	F 21 L	7/00
		5/04	515	H 01 G	1/147	42	B 60 Q	1/00		F 21 V	1/34			9/00
		5/06			9/00			1/12	110-114	F 41 G	19/46			11/00
395	H 05 K	1/14	516	H 01 G	1/005	43-60	B 60 Q	1/00	115	B 26 B	21/46		H 04 M	1/22
396	H 05 K	7/00			9/04	61	B 60 Q	1/064		F 21 V	33/00	192	B 60 Q	1/00
397	H 05 K	1/00	517	H 01 G	1/02			1/076	116,117	B 43 K	29/10			1/26
		7/02			9/08			3/00	118	B 25 B	23/18		F 21 L	1/00
		7/06	518	H 01 G	9/10			47/02	119,120	F 21 P	1/02			3/00
		7/08		H 05 K	5/06	62	B 64 D	1/20	121-124	A 47 F	11/10			5/00
398	H 05 K	1/00	519	B 65 D	51/00		B 64 F		125	F 25 D	27/00			7/00
399	H 05 K	5/00		H 01 G	9/10		F 21 V		126	F 27 D	21/02			9/00
		5/04		H 05 K	5/03	63	B 64 D	47/02		A 47 B	23/06			11/00
		5/06	520	H 01 G	1/14	64	B 60 Q	1/00	127-134		97/00			13/00
400	H 05 K	7/02			9/10			11/00		F 21 V	33/00			15/00
		7/06		H 05 K	5/03	65	B 60 Q	1/05		F 21 V	33/00	193	B 60 Q	1/00
		7/08	521	B 65 D	51/16			1/06	135-144	F 21 S	1/02	194-197	F 21 L	7/00
		7/10		H 01 G	9/12			11/00	145-153		1/14			9/00
401	H 05 K	1/18		H 01 M	2/12	66	B 60 Q	1/06			3/02			11/00
402	H 05 K	1/16	522	H 01 G	5/38		F 21 V	21/00	153.1	E 01 F	9/00	198	F 21 L	7/00
403	H 05 K	7/10			9/00	67-70	B 60 Q	1/08	154,155	F 21 V	33/00			9/00
		7/12	523	H 01 G	9/00	71	B 60 Q	1/10	156	A 45 C	15/06			11/00
404-408	H 01 R	9/00	524	H 01 G	4/06			11/00	157	F 21 L	7/00	199-206	F 21 L	25/00
409	H 05 K	7/02			5/22	72	B 62 J	6/00	158	F 21 L	11/00			7/00
		7/06			9/00		F 21 V	33/00			11/00			9/00
		7/08	525	H 01 G	9/02	73	B 60 Q	1/00		F 21 V	25/00	207,208	F 21 L	11/00
		7/10	526	B 01 J	13/00			3/00			17/00			15/00
410	H 05 K	1/18		H 01 G	9/02			11/00			7/00	209	F 21 S	13/00
411	H 05 K	7/02		H 01 M	6/14	74	B 60 Q	1/00		F 21 L	19/00	210	F 21 M	1/00
		7/06	527	H 01 G	9/02			3/02		F 21 S	35/00	211,212	F 21 M	3/30
		7/08	528	H 01 G	1/005			11/00			19/00	213	F 21 M	3/18
		7/10			9/04			17/02			3/20			3/22
412	H 05 K	1/11	529	H 01 G	9/05	75	B 60 Q	1/00		F 21 L	35/00	214	F 21 M	3/14
		1/14	530	H 01 G	4/32			3/02		F 21 M	19/00	215	F 21 M	3/08
413	H 01 R	23/68			9/04			11/00	161	F 21 V	19/00	216	F 21 S	5/00
414	H 05 K	1/11	531	H 01 G	9/04		F 21 V	33/00		F 21 L	35/00	217	F 21 S	3/00
		1/14	532	H 01 G	1/005	76	B 60 Q	1/00	162	F 21 L	19/00	218	F 21 S	3/00
415	H 05 K	7/14			9/04			1/24		F 21 V	25/12	219	F 21 V	29/00
		7/18	533	H 01 G	9/04			1/26		F 21 L	19/00	220	F 21 S	3/00
416	G 11 C	11/00			9/04			1/00	163	F 21 V	35/00			3/00
417	H 05 K	7/02	534	H 01 G	1/10	77	B 60 Q	3/00		F 21 L	23/00			3/00
		7/04			9/00			3/04	164,165	F 21 V	25/12			3/00
418	H 05 K	7/10	535	H 01 G	1/02			11/00	166	F 21 L	19/00			3/00
		7/12			9/08			1/00		F 21 Q	3/00			3/00
419,420	H 05 K	7/02	536	H 01 G	9/10	78	B 60 Q	1/26		F 21 V	9/10	221	F 21 S	3/00
		7/04		H 05 K	5/06			1/00	167	F 21 V	11/00	222	F 21 V	23/02
421	H 05 K	5/02	537	B 65 D	51/00	79	B 60 Q	1/00		F 21 L	19/00			3/00
422	H 05 K	7/00		H 01 G	9/10		F 21 V	33/00		F 21 Q	19/00			3/00
423	H 01 J	7/04		H 05 K	5/03	80	B 60 Q	1/26	168	F 21 L	19/00			3/00
424	H 05 K	9/00	538	H 01 G	1/14			11/00	169,170	F 21 Q	5/00	223-225	F 21 S	3/00
425	H 01 R	9/00			9/10	80.1	B 60 Q	1/24		F 21 V	19/00	226	H 01 R	33/00
	H 02 B	1/04		H 05 K	5/03	81	B 60 Q	1/32		F 21 L	19/00	227	F 21 M	
426	H 01 R	9/00	539	H 01 G	9/00									
427	H 02 B	1/01		H 05 K	5/00									

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U.S. Class 362—Con.			365	F 21 S	1/06	404	F 21 S	1/04	33	H 02 M	3/42	140	H 02 M	7/44
					3/06			1/06	34	H 02 J	3/00			7/68
228,229	F 21 S	15/00	366	F 21 S	1/06			3/04		H 02 M	5/40	141	H 02 M	
	F 21 M	19/00		F 21 V	3/06	405,406	F 21 S	3/06	35	H 02 J	3/36	142	H 02 M	1/10
230,231	F 21 V	9/00	367	F 21 L	17/00			1/06	36	H 02 M		143	H 02 M	7/04
232	F 21 S				7/00	407	F 21 V	21/16	37	H 02 M	5/45	144-147	H 02 M	1/00
233	F 21 M			F 21 S	15/00	408	F 21 S	1/04			5/458	148,149	H 02 M	5/00
	F 21 S				1/10			1/06	38	H 02 M	5/447	150	H 02 M	5/32
234	F 21 V	33/00			3/10			3/04			5/456	151	H 02 M	5/20
235-241	F 21 V	1/00	368	B 60 Q	13/10			3/06	39	H 02 J	1/02			5/22
		11/00			1/00	409	F 21 V	36/00		H 02 M	1/12			5/253
242,243	F 21 V	13/00		F 21 S	3/00	410	F 21 S	37/00	40-48	H 02 M	1/12	152	H 02 M	5/06
244-246	F 21 V	5/00			1/06			1/12			1/14	153	H 02 M	5/10
247	F 21 V	7/00		F 21 V	3/06	411	F 21 S	3/12	49	H 02 M	1/14			5/14
248	F 21 V	1/00	369	B 60 Q	11/00			1/12	50	H 02 H	7/10	154	H 02 M	5/06
249	F 21 V	21/00			1/00	412-414	F 21 S	3/10	51	H 02 H	7/00	155	H 02 M	5/10
250	F 21 V	21/14			3/00			1/12	52-54	H 02 H	7/125	156	H 02 M	5/06
		21/32		F 21 V	11/00	415	F 21 S	3/12	55-58	H 02 H	7/122	157	H 02 M	5/00
251	F 21 V	23/04	370	B 60 Q	15/04			1/12	59,60	H 02 M	3/18	158	H 02 M	1/00
252	F 21 P	1/00			1/00		F 21 V	3/12			7/00	159	H 02 M	5/20
253	F 21 V	33/00		F 21 S	3/00			36/00			7/19			5/25
254	F 21 V	19/04			1/06	416	F 21 V	37/00			7/25	160-162	H 02 M	5/257
255,256	F 21 M	3/14		F 21 V	3/06	417	F 21 V	21/14	61	H 02 M	3/18	163	H 02 M	5/275
257	F 21 S		371	B 60 Q	11/00			17/00			7/02			5/293
				F 21 M	1/06	418	F 21 S	19/00			7/19	164,165	H 02 M	5/00
258	F 21 V	27/00		F 21 P	3/18			1/02			7/25		H 02 P	11/00
259-266	F 21 K			F 21 V	5/00			3/02	62	H 02 M	3/06	166	H 02 M	5/20
267	F 21 V	29/00	372	F 21 V	21/00		F 21 V	19/02	63	H 02 M	7/02			5/22
268	F 21 V		373	B 60 Q	19/02	419	F 21 M	3/18	64	H 02 M	7/00			5/275
269-274	F 21 V	21/26		F 21 M	1/06		F 21 S	1/02	65-72	H 02 M		167,168	H 02 M	5/22
275	F 21 V	21/28		F 21 V	3/18			3/02	73	H 02 M	7/00			5/29
		21/29	374	F 21 V	29/00	420	B 60 Q	1/06	74,75	H 02 M		169	H 02 M	5/253
276-292	F 21 V		375	F 21 V	21/00		F 21 M	3/18	76,77	H 02 M	3/24	170	H 02 M	5/06
293	F 21 V	9/00	376	F 21 V	17/00	421-427	F 21 S	3/18			5/42	171,172	H 02 M	5/16
294	F 21 V	29/00			15/00			1/02			7/04	173	H 02 M	5/06
295	F 21 V	23/00	377	F 21 V	21/00			3/02			7/68	174-176	H 02 M	5/32
296-310	F 21 V	7/00	378	F 21 V	15/00	428	B 60 Q	1/06	78-83	H 02 M		177	H 02 M	5/34
311	F 21 V	3/00			15/00	429	F 21 V	21/10	84-94	H 02 M	5/42	178	H 02 M	
		5/00	379	F 21 V	21/00	430	F 21 S	1/02			7/04			
312,313	F 21 L	19/00	380	F 21 V	11/00			3/02			7/68			
	F 21 V	3/00	381	F 21 M	25/12	431	F 21 S	1/10	95-99	H 02 M	3/24			
314	F 21 L	19/00		F 21 S	13/00			3/10			5/42			
	F 21 V	3/00	382	F 21 S	17/00	432	F 21 S	13/10			7/44			
		21/00		F 21 V	1/02			1/02			7/68			
315,316	F 21 V	3/00	383	F 21 S	3/02			13/02	100	H 02 P	13/00			
		19/00		F 21 V	17/06	433-438	F 21 V	17/06	101	H 02 M	7/00	130	G 05 B	
317	F 21 V		384	F 21 V	1/20	439	F 21 S	1/02	102-105	H 02 M		131-136	G 05 B	15/00
318	F 21 V	5/00		B 60 Q	1/12			1/12			7/30			19/18
		9/12		F 21 S	3/02			3/12			7/40	137	G 05 B	11/01
319-325	F 21 V	17/02		F 21 V	7/54			7/64			7/54	138,139	G 05 B	15/02
326-334	F 21 V	5/00	385	B 60 Q	7/64		F 21 V	21/10			7/64			19/18
335	F 21 V	5/04		F 21 S	7/86	440-442	F 21 V	17/00			7/86	140-147	G 05 B	11/01
336-338	F 21 V	5/00		F 21 V	7/98	443	F 21 V	17/06			7/98	148	G 05 B	13/02
339,340	F 21 V	5/02	386	B 60 Q	17/04	444	F 21 V	17/04		H 02 P	11/00	149-151	G 05 B	13/04
341,342	F 21 V	7/00		F 21 M	3/18	445,446	F 21 V	17/00	106	H 02 M	7/32	152-166	G 05 B	13/02
343	F 21 V	13/02		F 21 S		447	F 21 V	17/04			7/58	167,01	G 05 B	19/18
344	F 21 V	7/00		F 21 V	35/00			35/00	107	H 02 M	7/34	172-175	G 05 B	11/32
345	F 21 V	7/20	387	F 21 S	17/00	448	F 21 V	17/00			7/60	176,177	G 05 B	11/01
346-350	F 21 V	7/00			17/02	449	F 21 V	17/02	108	H 02 M	7/34	178,179	G 05 B	21/02
351	F 21 V	11/00		F 21 V	17/00	450-456	F 21 V	17/00	109	H 02 M	7/60	180-182	G 05 B	
352	F 21 V	1/06	388	F 21 V	13/02	457	F 21 S	13/12	110	H 02 M	7/36	183	G 05 B	11/01
		11/00	389	F 21 V	17/00			17/00			7/62	184-187	G 05 B	9/02
353	F 21 V	11/00	390	F 21 V	13/12				111	H 02 M	7/06	188-190	G 05 B	
354	F 21 V	11/02	391	F 21 V	7/12	458	F 21 S	7/12			7/12	191-194	G 05 B	19/42
		11/06			7/26		F 21 V	7/26	112	H 02 M	7/26	200	G 06 F	1/00
355,356	F 21 V	11/00	392	F 21 P	7/04				113	H 02 M	7/04			3/00
357	F 21 V	1/16		F 21 V	7/06				114	H 02 M	7/06			7/00
		11/00	393	F 21 V	7/12						7/12			7/02
358	F 21 V	1/04			7/46				115-120	H 02 M	7/46			7/06
		11/00	394	F 21 V	7/48						7/48			7/22
359	F 21 V	11/00	395	F 21 S	7/70						7/70			9/00
360	F 21 V	1/12			7/72						7/72			13/00
		11/00		F 21 V	1/02				121,122	H 02 M	1/00			15/00
361	F 21 V	11/00	396	F 21 V	7/00	1-12	H 02 M		123-125	H 02 M	7/00	300	G 06 F	7/00
362	A 47 G	33/16			7/06	13	H 02 M		126	H 02 M	7/06			9/00
	B 60 Q	3/04	397	F 21 L	7/217	14	H 02 M		127	H 02 M	7/217			15/00
	F 21 M			F 21 V	7/155	15	H 02 J	1/00	128-130	H 02 M	7/155	400	G 06 F	15/20
	F 21 P	1/02			7/537		H 02 M	3/00	131	H 02 M	7/537		G 06 G	7/48
363	F 21 S	1/10	398	F 21 L	7/5387			3/22	132	H 02 M	7/5387	401	G 06 F	15/22
		3/10		F 21 V	7/538	16-26	H 02 M	3/335	133,134	H 02 M	7/538			15/24
		13/10			7/515	27,28	H 02 M	3/315	135	H 02 M	7/515		G 06 G	7/52
	F 21 V	3/00	399,400	F 21 L	7/521	29-31	H 02 M	3/28	136,137	H 02 M	7/521	402	G 06 F	15/20
364	F 21 S	1/06		F 21 V	1/06			3/31	138	H 02 M	1/06		G 06 G	7/48
		3/06	401	F 21 V	7/521			3/33			7/521	403	G 06 F	15/00
	F 21 V	17/00	402	F 21 V	7/519			3/34	139	H 02 M	7/519	404,405	G 07 G	1/12
			403	F 21 V		32	H 02 M							

U.S. Class 364

ELECTRICAL COMPUTERS AND DATA PROCESSING SYSTEMS

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 364—Con.														
406,407	G 06 F	15/00	482	G 06 G	7/62	572	H 03 H	7/12	825	G 06 G	7/02	65	G 11 C	5/06
408	G 06 F	15/20	483	G 01 R	27/00	573	G 06 G	7/12	826	G 06 G	7/02	66-70	G 11 C	11/42
	G 06 G	7/52		G 01 R	19/00	574	H 03 F	1/26			7/12	71,72	G 11 C	5/08
409	G 06 F	15/20	484,485	G 01 R	23/00	575	H 04 B	15/00	827	G 06 G	7/19	73,74	G 11 C	5/06
	G 06 F	7/48	486	G 01 R	29/02	576	G 06 G	7/12	828-836	G 06 G	7/18	75	G 11 C	21/00
410-412	G 06 F	15/28	487	G 01 R	23/16	577	G 06 G	7/19	837	G 06 E	3/00	76	G 11 C	19/00
	G 06 F	15/44		G 01 R	27/02	578	G 06 G	7/30	838-840	G 06 G	7/18		G 11 C	21/00
	G 06 G	7/48		G 06 F	15/31	579	G 05 B	7/48	841,842	G 06 G	7/16	77	G 11 C	21/02
413.01-413.31	G 06 F	15/00	488-491	G 06 G	7/36	580	G 05 B	23/02	843	G 06 G	7/16	78-86	G 11 C	19/00
419	G 06 F	15/38	492-495	G 06 F	15/00	581,582	G 06 G	19/02	844	G 06 G	7/16	87,88	G 11 C	19/08
	G 06 F	7/60	496	H 02 J		600-608	G 06 J	7/12	845	G 06 E	3/00	89	G 11 C	19/00
420	G 01 V	1/00		G 01 N		700	G 06 F			G 06 G	7/16	90-92	G 11 C	19/06
	G 01 W	1/10		G 06 F	15/46	701	G 06 F	7/38	846,847	G 06 G	7/16	93	G 11 C	19/00
	G 06 F	15/54	497	G 06 G	7/58	702	G 06 J	15/20	848-851	G 06 G	7/16	94-96	G 11 C	17/00
	G 06 G	7/48		G 01 N	31/00	703	G 06 F	1/02	852	G 06 G	7/28	97-99	G 11 C	17/02
421	G 01 V	1/00		G 06 F	15/46	704	G 06 F	7/52	853	G 06 G	7/30	100-104	G 11 C	17/00
	G 01 W	15/58	498-503	G 06 F	7/58	705.01-705.08	G 06 F	15/02	854	G 06 G	7/28	105	G 11 C	17/06
	G 06 F	7/48		G 06 F	15/46	706	G 06 F	15/04	855	G 06 E	3/00	106	G 11 C	13/00
422	G 01 V	1/00	505-507	G 06 F	15/20	707,708	G 06 F	1/00	856	G 06 G	7/26	107	G 11 C	13/02
	G 06 F	15/48		G 06 G	7/68	709.01	G 06 F	3/00	857	G 06 G	7/24	108	G 11 C	13/04
	G 06 G	15/50	508	G 01 H		709.02-709.15	G 06 F	3/00		G 06 G	7/26	109	G 11 C	11/22
	G 06 G	7/00	509,510	G 01 M	7/00	709.16-710.14	G 06 F	13/00	858	G 06 G	7/22	110-112	G 11 C	13/04
423	G 06 F	15/14		G 01 F		711	G 06 F	3/00	859	G 06 G	7/24	113	G 11 C	13/00
	G 06 F	15/50		G 06 G	7/57	712	G 06 F	7/48		G 06 G	7/26	114	G 11 C	11/34
424.01-424.07	G 06 F	15/48	511	G 01 L	5/00	713	G 06 E	1/04	860	G 06 G	7/26	115	G 11 C	11/36
	G 06 G	7/00	512	G 09 C	15/00	714	G 06 F	7/48	861-863	G 06 G	7/00	116	G 11 C	13/00
	G 06 G	7/76	513	G 10 L		715.01-715.11	G 06 F	15/00	864	G 06 G	7/12	117	G 11 C	11/22
424.1	G 06 F	15/50	513.5	G 01 L	1/06	716	G 06 F	7/38	900	G 06 F	1/00	118-120	G 11 C	13/00
	G 06 G	7/70		G 06 F	15/00	717	G 06 F	1/02			3/00	121	G 11 C	13/04
425	G 06 G	7/00	514	G 06 K	15/00	717.5	G 06 F	7/00			7/00	122	G 11 C	13/06
	G 06 G	7/76	516,517	G 01 S	15/00	718-722	G 06 F	1/02			7/02	123	G 11 C	11/21
426.01-426.05	G 06 F	15/48		G 06 G	17/00	723	G 06 F	7/38			7/06	124,125	G 11 C	13/04
	G 06 G	7/00	518	G 06 F	15/00	724.01,724.02	G 06 F	15/31			7/22	126	G 11 C	11/46
	G 06 G	7/76	519	B 41 B		724.03	G 06 F	7/38			9/00	127,128	G 11 C	13/00
427-430	G 06 F	15/48		B 41 J	15/00	724.04-724.2	G 06 F	15/31			12/00	129-133	G 11 C	11/00
	G 06 G	15/50	520	G 06 F	15/00	725	G 06 F	7/38			13/00	134,135	G 11 C	11/04
	G 06 G	7/76	521,522	G 06 K	15/00	726	G 06 F	15/40			15/00	136	G 11 C	11/12
431.01-431.12	G 06 F	15/48		H 01 J		727	G 06 F	7/36			15/00	137,138	G 11 C	11/04
	G 06 G	15/50	523	G 03 B		728.01-728.07	G 06 F	15/336			15/00	139	G 11 C	11/08
432-435	G 06 F	15/48		G 03 B	15/00	729-736	G 06 F	7/38			15/00			11/14
	G 06 F	15/50		G 06 F	15/00	736.5	G 06 F	15/00			15/00			11/08
	G 06 G	7/70	524,525	G 02 B		737-741	G 06 F	11/00			15/00			11/22
436-438	G 06 F	15/48	526	G 01 J		742	G 06 E	1/04			15/00			11/00
	G 06 G	7/70		G 02 F		743	G 06 F	7/44			15/00			11/24
	G 06 G	15/50	527	G 06 F	15/52	744-746	G 06 F	7/38			15/00			11/00
	G 06 G	7/76		G 06 G	7/54	746.1,746.2	G 06 F	7/00			15/00			11/44
	G 08 G	1/00	550	G 01 B		747,748	G 06 F	7/38			15/00			11/44
439-442	G 06 F	15/48	551.01,551.02	G 01 M		748.5	G 06 F	7/00			15/00			11/50
	G 06 F	15/50	552-554	G 06 F	15/20		G 06 F	15/00			15/00			11/52
	G 06 G	7/70		G 06 G	7/48	749,750	G 06 F	7/38			15/00			11/54
	G 06 G	5/00	555	G 01 N	15/00	750.5	G 06 F	7/00			15/00			11/56
443-459	G 01 C	21/00	556	G 01 K		751-753	G 06 F	7/38			15/00			11/00
	G 01 S	7/78	557	G 01 N		754-767	G 06 F	7/52			15/00			11/18
460	G 06 G	15/20	558	G 01 N	7/00	768-776	G 06 F	7/50			15/00			11/14
	G 06 F	7/78		G 01 B	9/00	777	G 06 F	7/42			15/00			11/15
461	G 06 F	15/20	559-563	G 01 B		778-788	G 06 F	7/50			15/00			11/34
	G 06 G	7/78	564	G 01 B		800	G 06 G	7/00			15/00			11/36
	G 06 F	7/78		G 01 F		801	G 06 G	7/48			15/00			11/34
	G 08 G	7/02	565,566	G 01 P		802	G 06 G	7/62			15/00			7/00
	G 08 G	9/02	567,568	G 01 G		803,804	G 06 G	7/57			15/00			11/063
462	G 06 F	15/20	569	G 04 F		805	G 06 G	7/70			15/00			7/00
	G 06 G	7/78	570	G 01 K			G 06 G	7/72			15/00			29/00
463-467	G 06 F	15/20	571.01-571.08	G 01 N			G 06 G	7/76			15/00			7/00
	G 06 F	7/48		G 01 C	25/00	806	G 06 G	7/48			15/00			7/02
468-477	G 06 F	15/46		G 01 D	18/00	807	G 06 G	7/00			15/00			7/04
	G 06 G	7/64		G 01 F	25/00	808	G 06 G	7/32			15/00			7/04
478,479	G 06 F	15/20		G 01 G	23/48	809	G 06 G	7/34			15/00			11/34
	G 06 G	7/48		G 01 K	19/00	810	G 06 G	7/38			15/00			7/04
480	G 06 F	15/20		G 01 L	25/00	811,812	G 06 G	7/12			15/00			7/02
	G 06 G	7/62		G 01 P	21/00	813,814	G 06 G	7/20			15/00			13/04
481	G 01 R	15/20		G 01 R	35/00	815-818	G 06 G	7/22			15/00			7/00
	G 06 F	15/20		G 01 V	13/00	819-821	G 06 G	7/12			15/00			13/04
	G 06 F	15/20		G 01 W	1/18	822	G 06 E	3/00			15/00			7/00
						823,824	G 06 G	7/12			13/04			7/00
U.S. Class 365														
STATIC INFORMATION STORAGE AND RETRIEVAL														
1	G 11 C	19/08	140-144	G 11 C	11/08									
2-4	G 11 C	5/02	145	G 11 C	11/22									
	G 11 C	19/08	146-148	G 11 C	11/00									
5	G 11 C	19/08	149,150	G 11 C	11/24									
6-8	G 11 C	19/08	151,152	G 11 C	11/00									
9	G 11 C	11/18	153-159	G 11 C	11/00									
10	G 11 C	11/42	160	G 11 C	11/44									
	G 11 C	13/04	161	G 11 C	11/14									
11,12	G 11 C	11/42	162	G 11 C	11/44									
13-21	G 11 C	19/08	163	G 11 C	11/00									
22	G 11 C	5/02	164,165	G 11 C	11/50									
23-44	G 11 C	19/08	166	G 11 C	11/50									
45,46	G 11 C	27/00	167	G 11 C	11/54									
47	G 11 C	11/46	168	G 11 C	11/56									
48	G 11 C	27/00	169	G 11 C	11/00									
49	G 11 C	15/00	170	G 11 C	11/18									
50	G 11 C	15/02	171,172	G 11 C	11/14									
51	G 11 C	5/02	173	G 11 C	11/15									
52	G 11 C	7/02	174	G 11 C	11/34									
53	G 11 C	7/02	175	G 11 C	11/36									
54,55	G 11 C	5/02	176-188	G 11 C	11/34									
56	G 11 C	11/00	189.01-189.09	G 11 C	7/00									
57	G 11 C	7/02	189.11-198	G 11 C	7/00									
58	G 11 C	11/00	199	G 11 C	11/063									
59	G 11 C	5/00	200,201	G 11 C	7/00									
60	G 11 C	11/00												

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U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 365—Con.			144-149	B 01 F	15/06	12	G 04 B	47/00			9/02	244	G 04 B	23/02
230.01-230.09	G 11 C	8/00	150	B 01 F	15/02	13	G 04 B	47/02	142-144	G 04 B	1/10			25/04
231,232	G 11 C	8/02	151-153	G 05 D	11/02	14	G 04 B	47/06	145	G 04 B	3/00		G 04 C	21/16
233	G 11 C	8/00	154-159	B 01 F	15/02	15	G 04 B	19/26			5/00	245	G 04 B	23/02
233.5	G 11 C		160-162	G 05 D	11/00			49/00			27/00		G 04 C	21/16
234,235	G 11 C	8/00	163-166	B 01 F	15/02	16-20	G 04 B	19/26	146	G 04 B	25/02	246	G 04 B	23/06
		13/04	167-175	B 01 F	5/04	21-27	G 04 B	19/22	147	G 04 B	23/00			23/10
236-238	G 11 C	8/00	176	B 01 F	5/06	28	G 04 B	19/24			25/00		G 04 C	21/30
238.5	G 11 C		177-196	B 01 F	15/02	29,30	G 04 B	19/24		G 04 C	21/00	247,248	G 04 B	23/08
239	G 11 C	8/00	197-207	B 01 F	7/00		G 04 C	17/00	148	G 04 B	25/02	249	G 04 B	23/00
240	G 11 C	8/00			13/00	31,32	G 04 B	3/00			27/00	250	G 04 C	21/00
		19/00	208-219	B 01 F	11/00			19/24	149	G 04 C	21/00	251	G 04 C	21/16
241-243.5	G 11 C	8/00	220-236	B 01 F	9/00			27/00	150	G 04 C	21/00			23/10
244	G 11 C		237-243	B 01 F	11/00	33	G 04 B	3/00			21/14	252,253	G 04 C	21/16
			244-254	B 01 F	7/00			19/24	151	G 04 B	25/00			23/18
			255-261	B 01 F	11/00	34	G 04 B	19/24	152	G 04 B	3/00	254-259	G 04 C	21/16
			262-270	B 01 F	5/12			27/00	153	G 04 B	23/08	260-265	G 04 B	23/00
			271	B 01 F	13/00	35,36	G 04 B	19/20	154	G 04 B	23/00	267	G 04 B	21/00
			272	B 01 F	7/00			19/24	155	G 04 C	15/00	268-274	G 04 B	19/00
			273,274	B 01 F	13/08			27/00		G 04 F	5/00			21/00
			275-278	B 01 F	11/00	37-40	G 04 B	19/20		G 06 F	1/04	275	G 04 B	21/00
			279-331	B 01 F	7/00			19/24	156-159	G 04 F	5/00	276,277	G 04 B	37/00
			332-335	B 01 F	11/00	41	G 04 B	45/00		G 06 F	1/04	278,279	G 04 B	37/00
			336-340	B 01 F	5/06			47/00	160-167	G 04 F	5/00			37/12
			341-344	B 01 F	13/00	42-45	G 04 B	45/00	168,169	G 04 B	17/00			37/00
			345-347	B 01 F	15/00	46	G 04 C	11/00	170-174	G 04 B	17/20	280	G 04 B	37/00
			348,349	B 01 F	13/00			13/00	175-178	G 04 B	17/04	281	A 44 C	5/00
					15/00	47	G 04 C	11/02	179	G 04 B	17/02		G 04 B	37/00
			600	B 01 F	11/00	48	G 04 C	13/02	180	G 04 B	17/02	282-284	G 04 B	37/00
			601	B 01 F	13/04	49-51	G 04 C	13/00			17/10	285	G 04 B	37/00
				G 05 D	13/00	52-54	G 04 C	13/04	181	G 04 B	17/00			47/04
			602	A 61 C	5/06	55	G 04 C	11/04	182	G 04 B	17/22	286-292	G 04 B	37/00
			603	A 23 N	17/00			13/04	183	G 04 B	17/02	293	G 04 B	37/00
			604	A 45 D	27/06	56-58	G 04 C	13/04	184	G 04 B	17/00			43/00
			605	B 01 F	3/00	59	G 04 C	13/08		G 04 C	5/00	294-296	G 04 B	37/00
			606	B 28 C	5/42	60,61	G 04 C	13/10	185	G 04 B	18/00			39/00
			607	B 01 F	7/00	62	G 04 B	27/00			17/30	297-299	G 04 B	37/00
							G 04 C		186	G 04 B	18/00	300	G 04 B	29/00
						63	G 04 B	21/08			9/00	301-313	G 04 B	37/00
							G 04 C	21/14	187-189	G 04 C	27/02	314	G 04 B	19/14
						64	G 04 B	1/00	190	G 04 B	27/04			37/00
							G 04 C	3/00	191-195	G 04 B	27/02	315-317	G 04 B	37/00
						65	G 04 B	1/26	196-199	G 04 B	18/00	318-321	G 04 B	29/00
						66	G 04 B	9/00	200,201	G 04 B	17/20	322	G 04 B	29/00
							G 04 C	23/00	202	G 04 B	1/00			35/00
						67,68	G 04 B	19/30	203-205	G 04 B	3/00	323-326	G 04 B	29/00
						69,70	G 04 C	17/00		G 04 C	3/00	327	G 04 C	
								19/00	206	G 04 B	5/00			
								21/00			1/00			
						71	G 04 B	25/00		G 04 C	5/00			
							G 04 C	23/00	207	G 04 B	5/02			
						72-74	G 04 B	23/02	208	G 04 B	5/24			
							G 04 C	21/00	209	G 04 B	1/10			
								23/00		G 04 C	9/00			
						75	G 04 B	21/02	210-212	G 04 B	3/02			
							G 04 C	23/00	213	G 04 B	3/04			
						76	G 04 B	19/00	214	G 04 B	3/06	1-6	H 04 B	1/20
							G 04 C	21/00			3/00	7	H 04 H	9/00
						77,78	G 04 B	19/20			3/00	8-12	H 04 B	1/20
						79	G 04 B	19/00	215,216	G 04 B	3/00	13	G 11 B	11/00
							G 04 C	3/00	217-219	G 04 C	5/00	14	G 11 B	13/00
						80,81	G 04 B	19/04			19/02	15-18	G 11 B	11/00
								19/06	220-222	G 04 B	19/00	19-23	G 11 B	31/00
						82-87	G 04 C	19/00	223	G 04 B	25/00	24-28	G 11 B	19/00
						88	G 04 B	37/00			17/00			21/12
							G 04 C	23/02		G 04 C	19/00	29	H 04 M	11/10
						89	G 04 F	1/00	224,225	G 04 B	19/32	30-41	G 11 B	17/22
						90	G 04 F	3/00	226	G 04 B	19/30	42	G 11 B	15/10
						91	G 04 F	1/04	227	G 04 B	19/04	43,44	G 11 B	7/00
								3/00	228	G 04 B	19/06			21/10
						92	G 04 F	3/00		G 04 B	19/06	45	G 11 B	5/09
						93-95	G 04 F	1/04	229	G 04 B	25/06			7/00
						96	G 04 F	3/00	230	G 04 B	19/06			20/22
						97-100	G 04 F	1/00			25/02			21/10
								3/00	231	G 04 B	19/16	46	G 11 B	5/09
						101-106	G 04 F	7/00	232-237	G 04 B	19/06			7/00
						107-123	G 04 F	8/00	238	G 04 B	19/04			20/10
								10/00	239	G 04 C	17/00	47	G 11 B	5/09
						124	G 04 B	15/00			19/00			27/22
							G 04 C	5/00	240	G 04 C	17/02			20/10
						125-138	G 04 B	15/00			19/02			27/22
						139	G 04 B	1/00	241,242	G 04 C	17/00	48	G 11 B	5/09
						140	G 04 B	1/10	243	G 04 B	21/00			15/52
						141	G 04 B	1/20			23/00			20/12
								5/24		G 04 C	27/22			27/22

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U.S.			IPC			U.S.			IPC			U.S.			IPC								
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation						
U.S. Class 369—Con.						U.S. Class 371						U.S. Class 372						U.S. Class 374					
49-51 G 11 B 5/09 15/52 20/10 27/22 5/09 15/06 20/10 3/90 5/09 20/10 27/36 3/90 27/36						ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY						COHERENT LIGHT GENERATORS						THERMAL MEASURING AND TESTING					
52 G 11 B 5/09 15/06 20/10 3/90 5/09 20/10 27/36 3/90 27/36						1 G 06 K 5/04 G 11 B 5/00 2-5 G 06 F 11/00 6 H 03 M 13/00 7-14 G 06 F 11/00 15 G 01 R 31/28 G 06 F 11/00 16-20 G 06 F 11/00 G 11 C 29/00 21 H 04 B 17/00 22 G 06 F 11/00 23 G 01 R 31/28 24-27 G 06 F 11/00 G 01 R 31/30 G 06 F 11/00 G 06 F 11/00 G 08 C 25/00 H 03 M 13/00 H 04 L 1/00 G 06 F 11/00 H 04 L 1/00 G 06 F 11/00 31 G 08 C 25/02 H 04 L 1/18 H 04 L 1/18 H 04 L 1/14 H 03 M 13/00 H 04 L 1/18 G 06 F 11/08 G 06 F 11/10 H 03 M 13/00 G 11 C 29/00 H 03 M 13/00 H 03 M 13/00 G 06 F 11/10 H 03 M 13/00 H 04 L 12/00 G 06 F 11/00 G 08 C 25/00 H 03 M 13/00 H 04 L 1/00 G 06 F 11/10 H 03 M 13/00 H 03 M 13/02 G 06 F 11/10 H 03 M 13/00 G 06 F 11/00 H 04 L 1/00 G 06 F 11/00 H 03 M 13/00 H 04 L 1/00 G 06 F 11/00 H 0																	

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U.S. Class 374—Con.			U.S. Class 375			U.S. Class 376			U.S. Class 377			U.S. Class 378		
U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
117-119	G 01 K	11/22	41	H 03 C	5/00	13,14	G 06 M	3/08	129	H 03 K	27/00			
120	G 01 K	1/16		H 04 L	27/02	15	G 07 C	3/00	130	G 06 M				
121-133	G 01 J	5/00	42	H 03 C	5/00	16	G 07 C	3/00		G 07 C				
134	G 01 K	1/16		H 03 D	5/00			3/02		H 03 K	21/00			
135	G 01 K	1/16		H 03 K	7/10	100-152	G 21 B	1/00	17,18	G 01 M	3/00			
		13/10	43	H 03 C	1/52	153-155	G 21 J		19,20	G 01 D				
136	G 01 K	13/00		H 04 L	27/02	156	G 01 T		21	G 01 F	15/00			
137	G 01 K	3/00	44	H 03 K	7/06	157	G 21 G	1/00	22	G 01 G	21/00			
138	G 01 K	13/02			9/06	158-189	G 21 G	1/12	23	G 01 P	1/07			
139,140	G 01 K	1/12		H 04 L	27/10	190-201	G 21 G	1/06	24	G 01 B	7/00			
141-157	G 01 K	1/08	45-51	H 04 L	27/10	202	G 21 G	1/00	24,1,24.2	G 01 C	21/00			
		1/14	52	H 04 L	27/10	203-206	G 21 C	13/00	25	G 01 K	1/02			
		13/00			27/18	207,208	G 21 C	7/00	26	G 06 M	3/00			
158	G 01 K	1/08	53-57	H 04 L	27/10	209	G 21 C	7/02	27	H 03 K	21/00			
159-162	G 01 K	11/00	58	H 04 B	15/00	210,211	G 21 C	7/32	28-32	G 06 M	3/00			
163-185	G 01 K	7/00	59	H 04 L	27/04	212,213	G 21 C	7/30		H 03 K	21/40			
186	G 01 K	1/02			27/12	214	G 21 C	7/00	33-44	H 03 K	21/00			
		5/70			27/20	215-218	G 21 C	7/36			23/00			
187-207	G 01 K	5/00	60	H 04 K	1/02	219-239	G 21 C	7/06	45	G 06 M	3/00			
		9/00		H 04 L	25/03	240-244	G 21 C	7/00	46	H 03 K	23/00			
208	G 01 K	1/00			25/49	245-259	G 21 C	17/00		G 06 M	3/00			
209	G 01 K	1/08	61	H 03 C	1/52	260-272	G 21 C	19/00	47-49	H 03 K	23/54			
210	G 01 K			H 04 L	27/04	273-276	G 01 J			H 03 K	21/00			
			62-66	H 03 C	3/00	277-307	G 21 C	9/00			23/00			
				H 03 K	7/06	308-316	G 21 C	19/42	50,51	G 06 M	3/00			
				H 04 L	27/12	317-319	G 21 C	23/00		H 03 K	21/40			
			67	H 04 L	27/20	320-322	G 21 D	7/00	52	G 06 M	3/00			
			68-73	H 04 L	27/04	323-325	G 21 G	1/02	53	H 03 K	23/66			
			74	H 03 C	7/00	326	G 21 C	23/00		G 06 M	3/00			
			75	H 03 K	9/00	327-339	G 21 C	7/00	54	H 03 K	21/08			
				H 04 L	27/06	340-345	G 21 C	23/00	55	G 06 M	3/00			
					27/22	346	G 21 C	1/02	56	G 11 C	19/00			
			76	H 04 L	25/06	347-355	G 21 C	1/04		H 03 K	21/08			
					25/10	356-358	G 21 C	1/24			23/46			
			77	H 03 D	1/24	359,360	G 21 C	1/22	57-63	G 11 C	19/28			
			78	H 03 D	3/00	361-382	G 21 C	15/00		H 03 K	23/46			
				H 03 K	9/06			19/28	64-81	G 11 C	19/00			
			79	H 03 D	3/00	383-394	G 21 C	3/56	82	G 06 M	1/00			
				H 03 K	9/10	395-408	G 21 C	19/28	83	H 03 K	23/74			
			80	H 04 L	27/14			15/00	84-86	G 06 M	1/00			
					27/16	409-423	G 21 C	19/28	87	G 06 M	1/22			
					27/22	424	G 21 C	3/00			1/27			
			81	H 03 D	3/18	425	G 21 C	3/22	88	G 06 M	1/28			
					3/24	426-431	G 21 C	3/00	89-92	G 06 M	1/10			
			82	H 03 D	3/18	432	G 21 C	3/30	93	H 03 K	21/00			
			83-87	H 03 D	3/22	433	G 21 C	3/36			23/00			
				H 04 L	27/22	434-437	G 21 C	3/00	94	H 03 K	25/00			
				H 03 D	3/00	438-442	G 21 C	3/32	95	H 03 K	25/02			
			88-91	H 04 L	27/14	443-449	G 21 C	3/34	96	H 03 K	25/04			
				H 03 D	1/00	450	G 21 C	3/32	97	H 03 K	25/12			
			92,93	H 04 L	1/00	451,452	G 21 C	3/40	98	H 03 K	29/00			
			94-96	H 04 L	27/06	453,454	G 21 C	3/10	99	H 03 K	29/06			
				H 03 D	27/08	455,456	G 21 C	3/06	100	H 03 K	29/04			
			97	H 04 L	27/08	457	G 21 C	3/06	101	H 03 K	23/76			
			98	H 03 D	1/04	458,459	G 21 C	5/00	102	H 03 K	23/78			
			99	H 03 K	1/06	460,461	G 21 C	13/00	103	H 03 K	23/82			
					5/01	462	G 21 C	3/34	104	H 03 K	23/42			
					6/04	463	G 21 C	1/01	105	H 03 K	23/44			
				H 04 B	1/10				106	H 03 K	23/40			
				H 04 L	1/00						23/48			
					25/08						23/50			
			100	H 04 B	7/10				107	H 03 K	21/38			
				H 04 L	1/02				108	H 03 K	23/64			
			101	H 03 D	1/06				109	H 03 K	23/72			
					11/04				110	H 03 K	23/66			
				H 03 K	5/01				111	H 03 K	21/02			
					6/04				112	H 03 K	21/18			
				H 04 B	1/10				113	H 03 K	21/20			
			24	H 04 L	1/00				114	H 03 K	21/08			
					25/08				115-117	H 03 K	21/16			
					1/10					H 03 K	23/00			
			25,26	H 04 B	14/04				118	H 03 K	23/50			
			27-33	H 04 B	14/06					H 03 K	23/52			
			34	H 04 B	1/10				119,120	H 03 K	23/52			
					14/04				121	H 03 K	23/60			
			35	H 04 L	27/00				122	H 03 K	23/54			
			36	H 04 B	3/00				123	H 03 K	23/56			
				H 04 L	25/00						23/62			
			37	H 04 L	27/00				124	H 03 K	23/54			
			38	H 04 K	1/10				125	H 03 K	23/56			
				H 04 L	27/28						23/62			
			39	H 04 L	5/12				126	H 03 K	23/40			
					23/02						23/86			
			40	H 04 B	7/02				127	H 03 K	23/84			
				H 04 L	1/02				128	H 03 K	23/80			
					1/66									

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U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 378—Con.						23.1	H 04 R	5/00	21,22	G 06 K	9/48	93-97	B 65 D	33/16			
121,122	H 01 J	35/00	177-187	H 04 M	13/00	24-28	H 04 R	5/00	23	G 06 K	9/46			33/18			
		35/22	188-198	H 04 M	3/00	29-35	G 10 L	3/02	24-26	G 06 K	9/46			33/20			
		35/32	199,200	H 04 M	1/66	36	G 10 L	5/00	27	G 06 K	9/56			33/22			
123	H 01 J	35/20	201-218	H 04 M	3/42			7/00	28	G 06 K	9/52	98,99	B 65 D	33/16			
124	H 01 J	35/08	219-241	H 04 M	7/00			9/00	29	G 06 K	9/46			33/24			
125-133	H 01 J	35/10	242-332	H 04 M	3/00	37,38	G 10 L	7/02	30	G 06 K	9/62	100-103	B 65 D	33/01			
		35/24	333-337	H 04 M	3/00	39	G 10 L	9/02	31	G 06 K	9/76	104	B 65 D	30/16			
		35/26			7/00			9/04	32	G 06 K	9/74	105	B 65 D	33/00			
		35/28	338-349	H 04 M	1/00	40	G 10 L	9/00	33	G 06 K	9/64	106	B 65 D	33/04			
134	H 01 J	35/06			3/00	41	G 10 L	5/00	34	G 06 K	9/68	107,108	B 65 D	30/06			
135	H 01 J	35/04			7/00			7/00	35	G 06 K	9/64	109	B 65 D	30/08			
136	H 01 J	35/06	350-386	H 04 M	1/00			9/00	36	G 06 K	9/62	110	B 65 D	30/08			
137	H 01 J	35/30			3/00	42-45	G 10 L	5/06	37,38	G 06 K	9/68			81/38			
138	H 01 J	35/14	387-397	H 04 M	1/00			7/08			9/70	111-113	B 65 D	30/09			
139	H 01 J	35/02			9/00			9/06	39	G 06 K	9/62	114,115	B 65 D	30/14			
140	H 01 J	5/18	398	H 04 M	7/04			3/00			9/74	116	B 65 D	30/08			
		35/18			9/00	46,47	G 10 L	5/00	40	G 06 K	9/72	117	B 65 D	30/04			
141,142	H 01 J	35/10	399-413	H 04 M	1/00	48	G 10 L	7/10	41	G 06 K	9/36	118	B 65 D	30/06			
		35/12			9/08			9/00	42	G 06 F	15/336	119	B 65 D	33/02			
143	H 01 J	35/08	414-417	H 04 M	1/76	49	G 10 L	7/02		G 06 K	9/64	120	B 65 D	30/20			
144	H 01 J	35/10			7/00			9/00	43	G 06 F	15/332	121	B 65 D	30/10			
145	G 21 K	1/00			9/00	50	G 10 L	9/02		G 06 K	9/36	121.1	B 65 D	30/04			
146	G 21 K	5/10	418	H 04 M	3/00			9/04	44-46	G 06 K	9/32			30/16			
147-149	G 21 K	1/02	419-440	H 04 M	1/00	51,52	G 10 L	5/02	47	G 06 K	9/42			30/18			
150-153	G 21 K	1/04			9/00	53	G 10 L	9/10	48	G 06 K	9/20	122	B 65 D	30/18			
154,155	G 21 K	1/00			1/00	54	G 10 L	3/02	49	G 06 K	9/54	123,124	B 65 D	30/10			
156-159	G 21 K	3/00	441-456	H 04 M	1/00	55	H 03 G	11/00			9/60	125,126	B 65 D	30/12			
160	G 21 K	1/04	457	H 04 M	7/00	56	H 04 R	29/00	50-53	G 06 K	9/38	127	B 65 D	30/00			
161	G 21 K	1/00			9/00	57	H 03 G	3/20	54	G 06 K	9/40						
162-166	H 05 G	1/28				58-60	H 04 R	29/00	55	G 06 K	9/44						
167	G 03 B	42/02				61-65	H 03 G	3/00	56	G 06 K	9/36						
	G 03 C	5/16				66	H 04 B	3/20			9/46						
168-170	A 61 B	6/14	U.S. Class 380			67	A 61 B	7/04	57	G 06 K	9/03	U.S. Class 384					
	G 03 B	42/02	CRYPTOGRAPHY			68-69.2	H 04 R	25/00	58	G 06 K	7/00	BEARINGS					
	G 03 C	5/16				70	A 61 F	2/20			9/20						
171-181	G 03 B	42/02				71	A 61 F	11/06	59	G 06 K	9/22	1	F 16 C	32/00			
182-188	G 03 B	42/04	1	H 04 K	3/00	72	H 03 B	29/00	60	G 06 K	9/30	2-6	F 16 C	32/02			
189	H 01 J	31/49	2	H 04 K	1/00	73.1	A 61 F	11/06	61	G 06 K	9/20	7	F 16 C	17/00			
		31/50	3	G 11 B	23/28	74	H 04 R	3/02	62,63	G 06 K	9/00			29/00			
190	G 21 K	4/00	4	H 04 L	9/00	75	H 04 R	1/10	64	G 06 K	7/08	8,9	F 16 C	31/00			
191	A 61 B	6/14	5	H 04 N	7/167	76	H 04 R	27/04			9/20	10	F 16 C	17/00			
	G 21 K	4/00	6	H 04 K	1/02	77	H 04 R	27/00	65	G 06 K	7/10			29/00			
192	A 61 B	6/04	7	H 04 N	7/167	77,78	H 04 B	3/00			9/20			29/06			
	G 21 K	4/00	8,9	H 04 K	1/02	79	H 04 B	5/00	66	G 06 K	9/20	11	F 16 C	5/00			
193	H 05 G	1/02			1/04	80,81	H 04 B	3/00			9/26	12	F 16 C	32/06			
194	H 05 G	1/06	10-17	H 04 N	7/167	82-85	H 04 R	27/00	67,68	G 06 K	9/20	13,14	F 16 C	33/10			
195-198	H 05 G	1/02	18	H 04 N	1/44	86	H 04 B	1/00			9/28	15,16	F 16 C	33/00			
199,200	H 01 J	35/10	19,20	H 04 N	7/167	87-91	H 04 R	1/02	69	G 06 K	9/00	17	A 47 B	1/10			
		35/12	21	H 04 L	9/00	92	H 04 R	3/00				18-23	A 47 B	88/00			
201,202	H 05 G	1/04	22	H 04 K	1/00	93,94	H 04 B	15/00				24	F 16 C	35/00			
203	H 01 J	35/16	23-30	H 04 K	1/00	95,96	H 04 R	3/00				25	F 16 C	31/00			
204	H 05 G	1/00		H 04 L	9/00	97	H 03 G		U.S. Class 383			26	F 16 C	17/00			
205,206	A 61 B	6/08	31-34	H 04 K	1/10	98-101	H 03 G	5/00	FLEXIBLE BAGS					21/00			
207	G 01 D	18/00	35-40	H 04 K	1/04	102	H 03 G	9/00				27	F 16 K	29/00			
208	H 05 G	1/00			1/06	103	H 03 G	5/00				28	F 16 C	21/00			
209	A 61 B	6/04	41	H 04 K	1/00	104,105	H 03 G	3/00	1	B 65 D	30/02	29-32	F 16 C	29/02			
210	H 05 G	1/00		H 04 M	3/16	106	H 03 G	7/00	2-4	B 65 D	30/00		F 16 C	7/04			
					9/00	107-109	H 03 G	3/00	5	B 65 D	33/14	33	A 47 C				
U.S. Class 379						110	H 03 G	3/20	6	B 65 D	33/06	34	F 16 C	17/26			
TELEPHONIC COMMUNICATIONS						111	H 04 R	3/00	7-9	B 65 D	33/10	35	F 16 C	41/00			
					15/34	111-117	H 04 R	3/00	10	B 65 D	33/08	36	F 16 C	27/00			
1-35	H 04 M	1/24	52	H 04 L	9/00	118	G 10 H	1/00			33/10	37	F 16 C	23/04			
		3/08			17/02	119	H 04 B	1/00	11	B 65 D	33/14	38	F 16 C	33/02			
		3/22	53	H 04 M	1/70	120,121	H 03 F	21/00	12-21	B 65 D	33/06	39	F 16 C	29/12			
36	H 04 M	15/24			3/16	122	H 04 R	3/00	22-24	B 65 D	33/14	40	F 16 C	33/00			
		17/00			3/00	123	H 02 B	1/00	25-31	B 65 D	33/06	41,42	F 16 C	29/06			
		17/02	54,55	G 09 C	3/00	124	H 04 B		32,33	B 65 D	33/00	43-45	F 16 C	29/04			
37-51	H 04 M	11/04			5/00	150-205	H 04 R	25/00	34,34.1	B 65 D	33/02	46	F 16 C				
52	H 04 M	11/00	56,57	G 09 C	1/06				35,36	B 65 D	33/00	47	A 47 C				
53,54	H 04 N	1/42	58	G 09 C	1/12				37	B 65 D	30/00	48	F 16 C	19/49			
55	H 04 M	9/00	59	G 09 C		U.S. Class 382						38-40	B 65 D	30/22	49	F 16 C	29/04
56-63	H 04 M	11/00		H 04 K		IMAGE ANALYSIS						41	B 65 D	33/00	50-58	F 16 C	19/00
64-66	H 04 M	9/00		H 04 L		1-8	G 06 K	9/00	42	B 65 D	33/16	59	F 16 C	33/00			
67-89	H 04 M	1/64	U.S. Class 381			9	G 06 K	9/34	43	B 65 D	33/24	91	F 16 C	33/00			
90-109	H 04 M	11/00	ELECTRICAL AUDIO SIGNAL			10	G 06 K	9/00	44-58	B 65 D	30/24	92	F 16 C	31/00			
110	H 04 M	1/00	PROCESSING, SYSTEMS, AND DEVICES			11,12	G 06 K	9/18				93	F 16 C	33/66			
111-141	H 04 M	15/00				13	G 06 K	9/00	59-71	B 65 D	33/28	94	F 16 C	33/72			
142	H 04 M	1/56				14,15	G 06 K	9/62	72-76	B 65 D	33/16	95	F 16 C	33/00			
		15/06				16-19	G 06 K	9/46	77-83	B 65 D	33/16	96	F 16 C	33/30			
143-155	H 04 M	17/00	1	H 04 R	5/00			9/66	84-87	B 65 D	33/24	97,98	F 16 C	3/00			
156-166	H 04 M	1/00	2-16	H 04 R	5/00			9/66	88-91	B 65 D	33/16	99	F 16 C	27/00			
167-176	H 04 M	1/60	17-23	H 04 R	5/00	20	G 06 K	9/50	92	B 65 D	33/26	100	F 16 C	32/06			
												101,102	F 16 C	21/00			

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 384—Con.			447	F 16 C	19/50									
103-124	F 16 C	32/06	448	F 16 C	32/00	614	F 16 C	33/40			11/48	135-138.6	B 41 J	3/24
125	F 16 C	33/02			41/04	615	F 16 C	33/58			17/00	139	B 41 J	1/00
		33/22	449	F 16 C	13/00	616	F 16 C	23/00			25/24			2/25
126-128	F 16 C	21/00			35/00			25/00			33/00	140-145.2	B 41 J	1/08
129	F 16 C	17/00	450	F 16 C	19/00	617	F 16 C	33/02	50-52	B 41 B	27/26			1/22
130-153	F 16 C	33/74	451	F 16 C	19/50	618,619	F 16 C	19/30	53	B 41 J	11/20	146	B 41 J	1/20
154-156	F 16 C	7/00	452-455	F 16 C	19/54	620	F 16 C	23/00	54	B 41 J	29/38	147,148	B 41 J	1/08
		11/00	456	F 16 C	19/04			25/00	55-60	B 41 J	11/20	149-151.1	B 41 J	1/50
157	F 16 C	13/00			19/24			33/34	61	B 41 J	5/30	152	B 41 J	1/46
158	B 61 F	15/00	457,458	F 16 C	9/00	621	F 16 C	43/04			5/40	153	B 41 J	9/00
158.1,159	F 16 C	17/00	459	B 61 F	15/12			33/46			9/44			9/02
		33/00	460	F 16 C	13/00	622	F 16 C	33/58		G 06 F	11/00			9/14
160-162	B 61 F	17/00	461-475	F 16 C	19/00	623	F 16 C	33/58		G 06 K	3/00			9/38
163	B 61 F	17/04	476	F 16 C	19/50	624	F 16 C	33/46			7/00			11/18
164	B 61 F	17/06	477-479	F 16 C	33/76	625-627	F 16 C	41/00	62-69	B 41 J	5/30	154	B 41 J	9/00
165	B 61 F	17/04	480	F 16 C	33/80			33/00			5/40			9/02
166	B 61 F	17/14	481-489	F 16 C	33/76					G 06 F	11/00			9/14
167	B 61 F	17/18	490	F 16 C	19/04					G 06 K	3/00			9/38
168	B 61 F	17/14	491	F 16 C	33/32				70	B 41 J	7/00			9/44
169	B 61 F	17/24	492	F 16 C	33/32						3/42	154.1-159	B 41 J	11/18
170	F 16 C	33/66	493	F 16 C	33/62						5/30			9/00
171-174	B 61 F	17/08	494	F 16 C	33/04						9/44			9/02
175,176	B 61 F	17/06	495-498	F 16 C	19/49						21/17			9/14
177-180	B 61 F	17/22			23/04	800	H 02 P	5/00	71-75	B 41 J	3/42			9/38
181	B 61 F	17/06	499-506	F 16 C	23/08	801	H 02 P	5/06			5/30	160-170	B 41 J	11/18
182-187	B 61 F	15/00	507-511	F 16 C	33/60	802	H 02 P	5/00	76	B 41 J	11/44			1/34
188	B 61 F	15/14	512	F 16 C	43/06	803,804	H 02 P	5/06	77-81	B 41 J	3/44			1/36
189-190.7	B 61 F	15/26	513-516	F 16 C	19/50	805	H 02 P	5/06			5/52			1/50
191-191.4	B 61 F	15/02	517,518	F 16 C	33/58	806	H 03 D	13/00	82	B 41 J	3/54			7/30
192-214	F 16 C	23/04	519	F 16 C	33/66		G 05 F	1/10	83-85	B 41 J	3/46			7/34
		23/08			23/00	807	H 02 P	5/06	86,87	B 41 J	5/00			7/48
		25/04	520-522	F 16 C	25/00	808	H 02 P	5/08	88	B 41 J	3/36			7/54
215-219	F 16 C	27/00			19/20	809,810	H 02 P	5/178			3/39			7/62
220-222	F 16 C	27/06	523,524	F 16 C	33/37	811	H 02 P	5/165	89,90	B 41 J	7/54			7/64
223-225	F 16 C	27/08	525	F 16 C	33/38	812-814	H 02 P	5/17			7/66			7/92
226	F 16 C	17/04	526,527	F 16 C	33/42		H 03 D	13/00	91	B 41 J	2/00	171-175	B 41 J	9/34
227	F 16 C	17/04	528-530	F 16 C	33/44	815	G 05 F	1/10			3/26			1/56
		35/08	531,532	F 16 C	33/38		H 02 P	5/168	92-94	B 41 J	3/26			1/60
228-238	F 16 C	17/10	533,534	F 16 C	33/41	816	H 02 P	5/165	95-99	B 41 J	2/00	176-183	B 41 J	23/20
239	F 16 C	17/04	535,536	F 16 C	27/00	817,818	H 02 P	5/168			7/90			23/22
240	F 16 C	17/08	537-542	F 16 C	43/00	819	H 02 P	5/17	100-102	B 41 J	5/06			23/24
241	F 16 C	17/04	543-547	F 16 C	13/00	820	H 02 P	5/165	103	B 41 J	2/00			23/26
242	F 16 C	19/00	548	F 16 C	19/24		H 03 D	13/00			5/00	184	B 41 J	23/34
243-246	F 16 C	17/04	549	F 16 C	13/00	821-823	G 05 F	1/10	104-108	B 41 J	5/00	185-187	B 41 J	23/36
247-260	F 16 C	23/00			35/00		H 02 P	5/168	109	B 41 J	2/00	188	B 41 J	3/60
261-274	F 16 C	25/00	550	F 16 C	19/50	824	H 02 P	5/168			3/01			3/62
275	F 16 C	17/00	551-555	F 16 C	19/40	825	H 02 P	7/00	110,111	B 41 J	5/00			17/00
276-281	F 16 C	33/02	556	F 16 C	43/04	826	H 02 P	7/06	112	B 41 J	2/00	189,190	B 41 J	17/00
282-285	F 16 C	33/02	557	F 16 C	19/24	827	H 02 P	7/18			19/16	191	B 41 J	31/00
		33/24	558	F 16 C	23/04	828	H 02 P	7/285	113-115	B 41 J	19/16	192	B 41 J	33/34
286-293	F 16 C	33/10			23/08	829	H 02 P	7/29	116	B 41 J	2/00	193	B 41 J	35/02
294	F 16 C	9/02	559-562	F 16 C	43/04	830	H 02 P	7/285			3/34	194-196.1	B 41 J	32/00
295,296	F 16 C	33/02	563	F 16 C	23/10	831	H 02 P	7/29	117	B 41 J	11/40			33/10
297-300	F 16 C	33/18	564	F 16 C	33/58	832	H 02 P	7/285	118,119	B 41 J	2/00	197-202.4	B 41 J	27/12
		33/20	565-568	F 16 C	33/34	833	G 05 F	1/10			2/02			31/14
301	F 16 C	33/02	569-571	F 16 C	33/58		H 02 P	7/288			2/06			31/16
302	F 16 C	17/00	572	F 16 C	33/48	834-837	H 02 P	7/285			2/07	203	B 41 J	33/08
303-308	F 16 C	17/04	573	F 16 C	33/54	838-841	H 02 P	7/288			2/25	204-206.4	B 41 J	33/12
309-312	F 16 C	17/00	574	F 16 C	33/52	842	H 02 P	1/00			2/45			35/02
313-316	F 16 C	3/14	575	F 16 C	33/54	843-850	H 02 P	1/04			27/16			35/03
		33/66	576	F 16 C	33/56	851,852	H 02 P	1/08			2/00			35/22
		37/00	577-580	F 16 C	33/46	853	H 02 P	1/04	120	B 41 J	2/02			35/32
317-321	F 16 C	3/16	581,582	F 16 C	27/04	854	G 05 F	1/10			2/06			35/34
		37/00	583	F 16 C	23/00		H 02 P	1/04			2/07	207-208.1	B 41 J	35/28
322	F 16 C	1/00			25/00	855	H 02 P	1/08			2/25	209,210	B 41 J	31/00
		1/24	584,585	F 16 C	43/04	856-858	H 02 P	1/10			2/45	211-217.1	B 41 J	33/54
		3/14	586-589	F 16 C	13/00	859	H 02 P	1/08			2/46			33/56
		5/00			35/00	860	H 02 P	1/06			27/16			35/03
		33/10	590	F 16 C	19/10				121-125.1	B 41 J	2/00			35/08
		33/16			19/30						2/02			35/10
368-415	F 16 C	1/24	591-593	B 62 D	53/08						2/06			35/12
		3/14	594	B 61 F	5/16						2/07			35/14
		5/00	595-602	B 61 F	5/14						2/25			35/18
		33/10	603	F 16 C	35/08						2/45			35/20
		33/16	604-606	F 16 C	19/10						27/16			35/22
416	F 16 N	1/00			19/30	1-15	B 41 B	1/04	126	B 41 J	2/00	218-222	B 41 J	33/40
	F 16 C	13/00	607	F 16 C	33/76			13/04			2/02			33/42
		35/00	608	F 16 C	19/10			13/06			2/03			33/44
417	F 16 H	55/00			19/30			3/00			2/06			33/46
418,419	F 16 C	13/00	609,610	F 16 C	19/10	16-22	B 41 G	29/26			2/07			33/48
		35/00	611	F 16 C	27/04			29/28			2/25			33/50
420-427	F 16 C	17/04	612	F 16 C	19/10			29/30			2/45			33/51
428-444	F 16 C	35/00			23/08	23-49	B 41 J	3/28			27/16			33/52
445,446	F 16 C	19/00	613	F 16 C	19/00			11/06	127-134.6	B 41 J	1/54			33/51

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U.S. Class 400—Con.			365-382	B 41 J	23/00			11/52			29/12	55	B 43 K	21/02
		23/04			23/04			17/08			29/16			21/027
		33/514			23/06	595-604	B 41 J	11/48	716	B 41 J	29/18	56	B 43 K	
		33/516			23/08			11/54			11/62	57	B 43 K	21/14
		33/518			23/14			13/10			29/00			21/20
223-236.2	B 41 J	33/14	383-384	B 41 J	7/00	605-610.4	B 41 J	11/50			29/12	58,59	B 43 K	21/02
		33/16	385-389	B 41 J	7/20			11/52			29/16	60,61	A 45 D	40/00
		33/18	390-393	B 41 J	7/32			13/10			29/18		B 43 K	29/02
		33/20	394-397	B 41 J	7/20			13/26			29/19	62	B 43 K	21/02
		33/22	398-407	B 41 J	7/18			15/04	717	B 41 J	11/62	63,64	B 43 K	21/10
		33/24	408-421	B 41 J	7/00			15/18			29/00	65	B 43 K	21/16
		33/26	422-434.3	B 41 J	7/02			15/20			29/12	66	B 43 K	21/18
		33/28			7/08	611-621.2	B 41 J	11/26			29/16	67	B 43 K	21/16
		33/30	435	B 41 J	7/30			11/27			29/18	68,69	A 45 D	40/04
		33/32	436-440.2	B 41 J	7/26			11/28	718	B 41 J	11/62			40/06
		33/34	441-451	B 41 J	7/22			11/30			29/00		B 43 K	21/08
		33/36	452-453	B 41 J	7/24			11/32			29/12	70	A 45 D	40/04
		33/38	454-455	B 41 J	29/10			11/52			29/15			40/06
		33/382	456-461	B 41 J	7/00			11/66			29/16		B 43 K	21/12
		33/384	462-468	B 41 J	1/02			11/68	718.1,718.2	B 41 J	29/18	71	A 45 D	40/04
		33/386			1/58			11/70			11/62		B 43 K	21/08
		33/388	469	B 41 J	1/02			15/02			29/00	72	B 43 K	21/08
237-241.4	B 41 J	31/09	470-471.1	B 41 J	27/02			15/08			29/12	73,74	A 45 D	40/04
		33/00	472-495.1	B 41 J	5/08			15/10			29/16			40/06
		33/02			5/10			15/16	719	B 41 J	29/18		B 43 K	21/08
		33/04			5/12			15/24			29/00	75-78	A 45 D	21/08
		33/06			5/14	622,623	B 41 J	13/24				79	A 45 D	40/04
		33/08			5/16	624-629	B 41 J	11/58					B 43 K	21/08
		33/10			5/26			13/10				80	B 43 K	21/00
		33/12			5/28	630-633.2	B 41 J	13/26				81	A 45 D	40/10
242-246	B 65 H	75/00	496	B 41 J	5/08			13/30					B 43 K	21/00
247-250	B 41 J	33/32			5/10	634-637.1	B 41 J	13/02				82-85	B 43 K	21/00
		33/36			5/12			13/08				86,87	A 45 D	40/02
		35/04			5/14	637.2-637.5	B 41 J	13/02	1,2	A 46 B	11/08			40/06
		35/26			5/16			13/042		A 47 L	13/32		B 43 K	21/00
251-257	B 41 J	25/24			5/26			13/08		A 43 M	1/02	88	A 45 D	40/20
258-260	B 41 J	23/30			5/28	637.6-641	B 41 J	13/02	3	A 46 B	11/08		B 43 K	23/00
		23/38			29/12			13/08	4,5	A 46 B	11/00	89-91	B 43 K	23/00
261-267	B 41 J	25/24	497-507	B 41 J	17/00	642-647.1	B 41 J	13/10		B 05 C	11/10	92-94	B 43 K	21/22
268	B 41 J	25/24			17/06			13/12		B 43 K	5/02	95	B 43 K	23/00
		25/304	508-512	B 41 J	17/22			13/14			5/18	96	B 43 K	19/02
		25/34			17/24			13/16			7/10			19/06
269-271	B 41 J	25/24	513-520	B 41 J	17/06			13/18	6	A 46 B	5/02			19/14
272,273	B 41 J	25/08			17/08	648-662	B 41 J	11/02	7	A 46 B	5/04	97	B 43 K	19/14
274-276.2	B 41 J	5/20			17/10			11/04	8	A 46 B	5/02	98	B 43 K	23/00
277,278	B 41 J	29/54			17/12			11/08	9	A 46 B	15/00	99-109	B 43 K	5/16
279-282	B 41 J	21/16			17/14			11/10	10-12	A 46 B	11/00			7/12
283	B 41 J	19/00			17/16			11/14			15/00			24/02
		25/34			17/18	663-678	B 41 J	5/22	13	A 47 L	13/26	110,111	B 43 K	5/16
284	B 41 J	21/08			17/20			29/54	14	A 46 B	15/00			24/02
285-286.3	B 41 J	21/14			17/22			29/56			17/08	112-115	B 43 K	5/16
287-293	B 41 J	21/06			17/24			29/58	15	A 46 B	15/00			7/12
		21/08			17/26			29/60	16	A 46 B	11/00			24/02
294-298	B 41 J	21/02			17/28			29/62		A 47 L	13/12	116	B 43 K	5/16
		21/04			17/30			29/64	17	B 05 C	1/00			24/02
299	B 41 J	29/30			17/32			29/66	18-20	B 43 K	27/02	117	B 43 K	7/12
300-302	B 41 J	25/20			17/34			29/68	21	A 47 L	11/08	118-120	A 46 B	11/00
303-307.2	B 41 J	19/32			17/36			29/70			13/12	121,122	A 46 B	11/00
		19/58			17/38	679	B 41 J	29/00	22-25	A 47 L	1/08			17/08
		19/60			17/40			29/377			13/12	123-127	A 46 B	11/00
308-312	B 41 J	19/62			17/42	680-685	B 41 J	11/56	26,27	A 47 L	13/12		B 43 M	11/00
313-318	B 41 J	19/68	521-544	B 41 J	13/12			29/06	28	A 46 B	11/00	129	A 46 B	11/00
		19/70			13/18	686,687	B 41 J	19/08			11/06	130	A 45 D	33/00
319	B 41 J	19/00	545	B 41 J	19/76			19/10		A 61 H	7/00	131	B 43 K	23/02
320,320.1	B 41 J	25/304	546-548	B 41 J	11/48	688	B 41 J	29/00	29-33	B 43 K	27/00	132-135	B 43 K	5/14
321	B 41 J	19/00	549	B 41 J	25/14	689-690.4	B 41 J	29/08	34,35	B 43 K	27/04	136	A 47 L	1/08
322,323	B 41 J	19/30	550	B 41 J	11/36			29/10			27/08			13/22
323.1	B 41 J	19/18	551	B 41 J	19/14	691	B 41 J	3/39	36	A 46 B	11/06			13/26
324-326	B 41 J	19/00	552	B 41 J	11/02			29/02	37	A 47 L	13/26			13/30
327	B 41 J	19/16	553	B 41 J	25/16			29/12	38	A 46 B	11/00	137	A 47 L	1/08
328,328.1	B 41 J	19/20	554	B 41 J	11/20	692-694	B 41 J	29/02		A 47 L	23/04			13/22
		19/26	555-567	B 41 J	19/96	695-700	B 41 J	11/60	39	A 46 B	11/00			13/26
329-332.6	B 41 J	19/40	568	B 41 J	19/92			29/00	40,41	B 43 K	5/02			13/30
		19/42	569-577	B 41 J	19/76			29/36	42,43	A 46 B	11/06		B 43 M	11/02
		19/44			19/78	701	B 41 F	35/00	44,45	A 46 B	11/00	138	A 47 L	1/08
		19/46			19/80			29/17	46	A 46 B	11/06			13/22
		19/48			19/82	702,702.1	B 41 F	35/00	47	A 46 B	11/00			13/26
333-333.3	B 41 J	19/54			19/84	703-712	B 41 J	29/18	48	A 46 B	11/00			13/30
334-334.3	B 41 J	19/66			19/86			29/20			17/02	139	A 47 L	13/26
335	B 41 J	19/56	578	B 41 J	13/00			29/24	49	B 43 K	19/00			13/30
336,336.1	B 41 J	19/36			15/00			29/42	50,51	B 43 K	29/06	140	A 46 B	11/00
337-341	B 41 J	19/02	579-583.4	B 41 J	11/42			29/44	52	B 43 K	25/00	141,142	B 43 K	7/03
342-351	B 41 J	29/42			11/44			29/46			29/00			7/10
352-358	B 41 J	11/22			11/46			29/62	53	B 43 K	21/02	143,144	B 43 K	5/02
359-364	B 41 J	23/32	584-585.1	B 41 J	11/50	713-715	B 41 J	11/62			21/04	145	B 43 K	5/04
		23/36	586-594.1	B 41 J	11/48			29/00	54	B 43 K	21/02	146	B 43 K	5/02

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U.S. Class 401—Con.														
147	B 43 K	7/10	261	A 47 L	13/30	10	B 25 G	3/00	59	F 16 B	7/06	164,165	F 16 D	1/12
	B 43 M	11/02		B 43 K	5/00		F 16 B			F 16 C	7/10		F 16 B	3/00
148-150	B 43 K	5/18		B 43 M	11/06	11	B 25 G	3/00		F 16 G	11/12	166	F 16 B	7/10
151	B 43 K	5/10	262	B 43 K	9/00		F 16 B		60	F 16 B	7/06	167,168	F 16 B	7/08
152-170	B 43 K	5/04	263,264	A 47 L	13/30		F 16 D	1/00		F 16 G	11/12			9/00
171	B 05 C	17/01		B 43 K	5/18	12	B 65 D	59/00	61	F 16 C	11/00	169-178	F 16 B	1/00
		17/015	265	B 43 M	11/06		F 16 B		62	F 16 C	11/00		F 16 D	3/00
	B 43 K	5/06		B 43 K	1/06		F 16 G	11/00		F 16 D	1/12		F 16 L	41/00
172-177	B 43 K	5/06	266	B 05 C	11/00		F 16 L	35/00	63	F 16 B	7/10	179-185	F 16 B	1/00
178	B 43 K	5/10	267	B 43 K	1/04	13,14	B 25 G	3/00	64	F 16 B	7/10		F 16 D	3/00
179-182	B 43 K	5/06	268	A 46 B	11/00		F 16 B			F 16 C	11/00	186-188	F 16 B	7/08
183-186	B 43 M	11/06	269	A 46 B	17/04		F 16 D	1/00		F 16 D	1/12			9/00
187,188	A 46 B	11/02	270	A 46 B	11/04		F 16 G	11/00	65	F 16 B	12/44		F 16 L	41/00
	B 43 K	5/02		A 47 L	13/22	15	F 16 B			F 16 C	11/00	189-191	F 16 B	7/08
189	B 43 K	5/02	271-274	A 46 B	11/04		F 16 D	1/00	66,67	F 16 B	7/10		F 16 L	41/00
190	A 46 B	5/02	275-288	A 46 B	11/04		F 16 L	17/00		F 16 C	11/00	192-201	F 16 B	9/00
		11/02		A 47 L	13/22			29/00		F 16 D	1/12		F 16 L	41/00
	B 05 C	17/005	289	A 46 B	11/06	16-22	B 25 G	3/00			3/00	202-204	E 21 B	19/16
191	A 46 B	11/00		A 47 L	13/22		E 21 B	19/16	68-71	F 16 B	9/00		F 16 B	
192	B 43 K	5/12	290	A 46 B	11/00		F 16 B			F 16 C	11/00		F 16 D	1/00
		7/06	291	A 46 B	11/04	23	F 16 D	1/00		F 16 D	1/12	205	F 16 B	1/00
193	B 43 K	29/00	292	A 47 L	13/22		F 16 B	1/00	72,73	F 16 C	11/00			9/00
194	B 43 K	5/12		A 46 B			B 43 K	3/84		F 16 D	1/12		F 16 L	41/00
		7/06		B 43 M				11/12	74	F 16 C	11/06	206-216	F 16 B	
195	B 43 K	29/00				24,25	F 16 B	1/12		F 16 D	3/00		F 16 G	11/00
196	B 05 C	21/00					F 16 D	1/00			3/00	217-219	F 16 B	
	B 43 K	5/00						3/00	75-77	F 16 C	11/00		F 16 D	1/00
		8/02				26	F 16 B	7/00		F 16 D	1/12			3/00
		8/04					F 16 C	32/00			3/00		F 16 G	11/00
		8/14					F 16 D	1/12	78	F 16 D	1/12	220-229	F 16 B	
		8/16				27	B 25 G	3/00			3/00		F 16 D	1/00
		8/22					F 16 B		79	F 16 C	11/00	230-233	B 25 G	7/08
		8/24					F 16 D	1/00		F 16 D	1/12		F 16 B	9/00
	B 43 M	11/06	1-6	B 42 F	3/00		F 16 G	11/00	80	F 16 B	7/10		F 16 L	41/00
197	B 05 C	1/00	7	B 42 F	13/40	28-30	F 16 B		81-83	F 16 B	7/10	234	B 25 G	3/00
		17/025	8-13	B 42 F	13/00		F 16 C	9/00		F 16 D	1/12		F 16 B	7/08
		17/03					F 16 D	1/00	84-89	F 16 C	11/00		F 16 L	41/00
	B 43 K	17/035	14-18	B 42 F	13/06	31	F 16 B	11/00		F 16 D	1/12	235,236	B 25 G	3/00
198	B 43 K	8/20	19-23	B 42 F	3/02		F 16 D	3/80			3/00		F 16 B	9/00
	B 43 K	5/00					F 16 L	17/00	90	F 16 C	11/06		F 16 L	41/00
	B 43 M	11/06	24-26	B 42 F	13/00	32	E 21 B	19/16		F 16 D	1/12	237	B 25 G	3/00
199	B 43 K	5/00	27,28	B 42 F	3/04		F 16 B		91-103	F 16 C	11/00		F 16 B	7/08
	B 43 M	11/06					F 16 D	1/00		F 16 D	1/12		F 16 L	41/00
200	A 45 D	33/02	29-45	B 42 F	3/04		F 16 G	11/00			3/00	238-264	B 25 G	3/00
	B 05 C	19/04	46-56	B 42 F	3/02	33	F 16 C	11/00	104-108	F 16 B	7/10		F 16 B	9/00
		19/06					F 16 D	1/12		F 16 D	1/12		F 16 L	41/00
201	A 47 K	7/02	57	B 42 F	3/06	34	F 16 B	3/00	109	F 16 B	7/10	265-272	B 25 G	3/34
	B 43 K	8/10					F 16 D	3/80	110	F 16 D	1/12		F 16 B	11/00
202-206	B 43 K	5/00	58,59	B 42 F	3/00		F 16 L	17/00	111	F 16 C	11/00		F 16 L	13/00
207	B 43 K	8/12				35,36	F 16 C	11/00		F 16 D	3/00	273	F 16 B	4/00
	B 43 M	11/06	60-69	B 42 F	3/00		F 16 D	1/12	112	F 16 B	7/10	274	B 25 G	3/28
208	B 05 C	17/00						3/00		F 16 D	1/12		F 16 B	
		17/02									3/00		F 16 G	11/00
		21/00	70-72	B 42 F	3/00	37	F 16 B					275	F 16 G	11/05
	B 43 M	11/02					F 16 D	3/80	113	F 16 C	11/00		B 25 G	3/28
209	B 43 K	7/00	73-80	B 42 F	13/12		F 16 L	17/00		F 16 D	1/12	276-285	F 16 B	
		7/03	500-502	B 42 F	13/00	38,39	F 16 C	11/00			3/00		F 16 L	11/00
210	B 43 K	7/02					F 16 D	1/12	114,115	F 16 C	11/06	286-288	B 25 G	3/00
211,212	B 43 K	7/10	503	B 42 F	13/00	40	B 25 G	3/00		F 16 D	3/00		F 16 B	
213	B 43 K	9/00					F 16 B		116,117	F 16 C	11/00		F 16 D	1/00
214-216	B 43 K	7/10				41	F 16 D	1/00		F 16 D	1/12		F 16 G	11/00
217	B 43 K	7/02					B 25 G	3/00			3/00	289,290	B 25 G	3/24
218-220	B 43 M	11/02					F 16 B		118	F 16 B	7/18		F 16 B	2/02
221	B 43 K	5/00					F 16 D			F 16 C	11/00			7/04
222-224	B 43 K	5/02				42	F 16 L			F 16 D	1/12		F 16 D	1/00
225-229	B 43 K	5/18					F 16 B				3/00	291	F 16 B	
230	B 43 K	5/10					F 16 D		119,120	F 16 C	11/00		F 16 D	1/00
231	B 43 K	1/02	1	B 60 B	27/00		F 16 D			F 16 D	1/12		F 16 G	11/00
		5/00		F 16 D	1/06		F 16 L				3/00	292-298	F 16 B	7/00
232	B 43 K	5/02	2	F 16 B		43-48	F 16 B	7/06			3/00			12/36
233	B 43 K	5/00		F 16 D	9/00		F 16 G	11/12	121	F 16 C	11/00			13/00
234	B 43 K	5/18		F 16 P	5/00	49	E 04 G	7/00			32/02	299	B 25 G	3/00
		9/00	3,4	F 16 B			F 16 B	1/00		F 16 D	1/12		F 16 B	
235-242	B 43 K	5/18		F 16 D	1/00	50,51	F 16 B	7/10			3/00		F 16 D	1/00
243-247	B 43 K	9/00		F 16 L	25/00		F 16 C	11/00	122-149	F 16 C	11/00		F 16 G	11/00
248	B 43 K	5/00		F 16 B			F 16 J	15/52		F 16 D	1/12		F 16 G	3/00
249,250	B 43 K	5/18	5	F 16 L	17/00		F 16 L	51/02	150-159	F 16 C	11/06	300	B 25 G	3/00
251	B 43 K	5/00				52-55	F 16 B	7/10		F 16 D	1/12		F 16 B	7/18
252-255	B 43 K	1/02	6-9	B 25 G	3/00		F 16 C	11/00		F 16 J	1/16		F 16 D	1/00
256,257	B 43 K	17/00		F 16 B			F 16 D	1/12	160-163	F 16 C	11/06		F 16 L	15/00
258	B 43 K	1/10		F 16 D	1/00	56	F 16 C	11/06		F 16 D	1/12	301-309	B 25 G	3/00
259,260	B 43 K	1/06		F 16 G	11/00	57,58	F 16 D	3/00			3/00		F 16 B	

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U.S. Class 403—Con.			405.1,406.1	B 25 G	3/00	102	E 01 C	19/38	90-93	E 02 B	7/20	209	E 02 D	25/00			
			407.1,408.1	F 16 D	1/00	103	E 01 C	19/28	94,95	E 02 B	7/40	210	E 02 D	27/38			
	F 16 D	1/00		F 16 G	11/00	104	E 01 C	9/10	96,97	E 02 B	7/20	211	E 02 D	5/60			
310-314	F 16 B	2/02	409.1	B 25 G	3/00			19/00	98	E 02 B	7/38			31/00			
		7/04		F 16 B	2/14	105,106	E 01 C	19/12	99-102	E 02 B	7/40	212-215	E 02 B	3/26			
	F 16 D	1/00		F 16 G	11/00	107	E 01 C	23/02	103-105	E 02 B	7/26	216	E 02 D	5/60			
		1/02	410	B 25 G	3/00	108-111	E 01 C	19/18	106	E 02 B	7/36			31/00			
	F 16 G	11/00		F 16 B	1/00	112	E 01 C	19/22	107	E 02 B	3/10	217	E 02 D	17/00			
315-320	B 25 G	3/00		F 16 D	1/00	113-117	E 01 C	19/38			7/02			19/14			
	F 16 B			F 16 G	11/00	118-120	E 01 C	19/22	108	E 02 B	8/06	218-221	B 63 C	1/00			
	F 16 D	1/00				121-130	E 01 C	19/26	109	E 02 B	7/02			3/00			
	F 16 G	11/00				131	E 01 C	19/24	110-112	E 02 B	7/14			3/20			
321-330	B 25 G	3/18				132	E 01 C	19/26	113,114	E 02 B	7/08	222	E 02 D	5/20			
	F 16 B	21/00				133	E 01 C	19/34	115,116	E 02 B	7/02			5/34			
	F 16 D	1/00						19/36	117	E 02 B	7/06			5/50			
331,332	B 25 G	3/00						19/40	118	E 02 B	5/00			29/06			
	F 16 B					134-136	E 01 C	11/16	119,120	E 02 B	5/00	223	E 02 D	5/34			
	F 16 D	1/00						11/20			9/04			5/40			
	B 25 G	3/00	1	E 01 C	1/00						13/04	224	E 02 D	5/54			
333,334	F 16 B	7/02	2-5	E 01 C	11/22				121-123	E 04 D	13/04			5/74			
	F 16 D	1/00		E 01 F	5/00				124-127	E 01 F	5/00	225	E 02 D	5/46			
335-341	F 16 L	23/00	6	E 01 F	13/00					E 03 F	3/00			5/62			
	B 25 G	3/00			15/00				128,129	B 09 B	1/00	226	E 02 D	5/32			
342,343	F 16 B	7/18	7,8	E 01 C	11/22					G 21 F	9/00			7/24			
	F 16 D	1/00	9-11	E 01 F	9/00				130,131	E 02 D	19/14	227	E 02 D	5/00			
	F 16 L	23/00	12,13	E 01 F	9/06				132	E 21 D	9/00	228	E 02 D	9/00			
344-348	B 25 G	3/00			9/08						10/00			11/00			
	F 16 B	1/00	14	G 08 B	11/00						11/00			13/00			
	F 16 D	1/00	15	E 01 F	11/00				133	E 21 D	1/00	229	E 02 D	5/00			
	F 16 L	15/00	16	G 08 B	7/00				134-137	E 21 D	9/00	230	E 02 D	5/22			
	B 25 G	3/00	17	E 01 C	11/00						10/00	231	E 02 D	7/00			
	F 16 B	1/00			5/22						11/00	232	E 02 D	11/00			
349	B 25 G	3/16	18	E 01 C	11/24						10/00			13/00			
	F 16 B	7/20	19-21	E 01 C	17/00				138	E 21 D	11/00	233	E 02 D	5/30			
	F 16 D	1/00	22-24	E 02 D	29/14						10/00			5/34			
	F 16 L	23/00	25,26	E 01 C	3/00				139,140	E 21 D	10/00			5/50			
350-352	B 25 G	3/00	27-31	E 01 C	5/18						11/00	234	E 02 D	7/12			
	F 16 B	2/02	32,33	E 01 C	5/00						9/00			13/00			
		7/04	34	E 01 C	5/16				141-145	E 21 D	9/06	235	E 02 D	5/22			
	F 16 D	1/00	35	E 01 C	9/08						10/00			7/00			
353	B 25 G	3/00			9/10						11/00	236	E 02 D	5/62			
	F 16 B	1/00	36	E 01 C	5/00				146,147	E 21 D	11/00			15/02			
	F 16 D	3/28	37-42	E 01 C	3/00						9/12	237,238	E 02 D	5/44			
354	B 25 G	2/00	43	E 01 C	5/22				148	E 21 D	11/00	239	E 02 D	5/30			
	F 16 B	3/00	44	E 01 C	5/08						11/00	240-242	E 02 D	5/56			
		7/00	45	E 01 C	5/10				149	E 21 D	9/00			7/22			
355-359	B 25 G	3/28			5/14						10/00	243	E 02 D	5/70			
	F 16 B	3/00	46	E 01 C	11/02						11/00			7/30			
		7/00	47,48	E 01 C	11/04						35/03	244	E 02 D	5/74			
	F 16 D	1/00			11/12				150-153	E 21 D	35/04			27/50			
360-366	B 25 G	3/02	49	E 01 C	11/10				154	B 63 B	29/10	245,246	E 02 D	7/30			
	F 16 B	1/00	50	E 01 C	11/04						3/06	247	E 02 D	5/42			
	F 16 D	3/20	51-63	E 01 C	11/02				155,156	E 03 F	7/10			7/20			
367-371	B 25 G	2/00			11/14						7/14	248	E 02 D	15/00			
	F 16 B	7/04	64-66	E 01 C	11/10				157	E 03 B	57/00	249	E 02 D	23/00			
		3/10	67	E 01 C	11/08						59/00			5/20			
	F 16 B	2/22	68,69	E 01 C	11/02						1/00	250	E 02 D	5/30			
		7/04			11/04						1/028			5/48			
372	B 25 G	3/20	70	E 01 C	5/08				158	F 16 L	1/12	251	E 02 D	5/03			
	F 16 B	2/00			7/00						1/028			5/16			
		7/04	71	E 01 C	3/06				159-173	F 16 L	3/22	252	E 02 D	5/10			
373	B 25 G	3/20	72	E 01 C	11/24				174-177	F 16 L	1/028			5/14			
	F 16 B	2/14			5/00				178	F 16 L	3/00	253,254	E 02 D	7/14			
		2/18	73	E 01 C	11/02				179	F 16 L	3/00	255	E 02 D	5/52			
374	B 25 G	3/20	74	E 01 C	11/02						5/10	256	E 02 D	5/10			
	F 16 B	2/14	75	E 01 C	7/06				180-184	E 02 F	3/06			5/30			
375,376	B 25 G	3/00			7/32						1/00			5/34			
	F 16 B	1/00			7/36						11/00	257	E 02 D	5/18			
	F 16 D	3/00	76	E 01 C	21/00						11/02			5/20			
377-379	B 25 G	3/00			7/06				185	B 63 C	11/44			5/34			
	F 16 B	7/10	77	E 01 C	23/10				186	B 63 C	11/38	258	E 02 D	20/00			
	F 16 D	1/00	78	E 01 C	19/00				187-192	B 63 C	11/00	259	E 21 D	21/00			
380,381	B 25 G	3/08	79,80	E 01 C	23/02						23/00			21/00			
	F 16 B	1/00	81-86	E 01 C	23/12						27/24	260,261	E 21 D	29/00			
	F 16 D	3/08	87-89	E 01 C	23/16						29/00	262	E 21 D	21/00			
382	B 25 G	3/08	90-92	E 01 C	23/14						17/08			17/00			
	E 04 G	7/00			23/14						17/08			3/12			
	F 16 B	3/00	93,94	E 01 C	11/22						25/00	263-266	C 09 K	5/18			
	B 25 G	3/00	95	E 01 C	11/22						23/02	267	E 02 D	27/00			
	F 16 B	7/00	96,97	E 01 C	23/04						25/00			29/00			
	F 16 D	1/00			19/12						35/40	268,269	E 02 D	5/18			
383	B 25 G	3/00															
	F 16 B	7/00															
	F 16 D	1/00															
384-403	B 25 G	3/36	98	E 01 C	11/22												
	E 04 G	7/00	99	E 01 C	11/16												
	F 16 B	1/00	100	E 01 C	23/04												
404	F 16 D	1/00			19/12												
	F 16 G	11/00	101	E 01 C	19/12												

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U.S. Class 405—Con.			105,106	B 65 G	53/28		B 23 G	1/00	88-102	B 23 B	39/00	239,240	B 23 B	31/10
270	C 09 K	17/00	107	B 65 G	53/34	13	B 23 B	39/06			47/00			51/14
	E 02 D	3/12	108,109	B 65 G	53/40		B 23 G	1/00			49/00		B 23 G	1/46
271	E 02 D	3/02	110-112	B 65 G	51/26	14,15	B 23 B	39/00		B 23 G	1/00	241	B 23 B	39/00
272	E 02 D	5/00	113-118	B 65 G	53/40		B 23 G	1/00	103	B 23 B	39/00			47/00
	E 21 D	5/00	119,120	B 65 G	53/36	16	B 23 B	49/00			45/14		B 23 G	1/00
273	E 02 D	17/00	121-123	B 65 G	53/40		B 23 G	1/00			47/00			
		29/00	124-126	B 65 G	53/36	17	B 23 B	27/22			49/00			
274	E 02 D	5/02	127-133	B 65 G	53/46			47/34		B 23 G	1/00	U.S. Class 409		
275-288	E 02 D	3/02	134-136	B 65 G	53/40	18	B 27 C	9/00	104-107	B 23 B	39/00	GEAR CUTTING, MILLING, OR PLANING		
		5/00	137,138	B 65 G	53/38	19	B 23 B	39/00		B 23 G	1/22	1-7	B 23 F	1/00
		17/00	139,140	B 65 G	53/58	20,21	B 27 C	3/00			1/52	8,9	B 23 F	19/00
		29/00	141	B 65 G	53/24	22-25	B 23 B	51/08	108-114	B 23 B	39/00	10	B 23 F	1/00
		15/32	142	B 65 G	53/10		B 25 F	1/00			45/14	11-24	B 23 F	5/00
289	E 21 D	15/32			53/50		B 27 C	3/00			47/00	25-30	B 23 F	9/10
290	E 21 D	15/00	143	B 65 G	53/10	26-30	B 23 B	39/02			49/00	31-33	B 23 F	19/06
291,292	E 21 D	23/00	144	B 65 G	53/50			51/08		B 23 G	1/00	34-36	B 23 F	5/12
293,294	E 21 D	15/14	145	B 65 G	53/10		B 25 F	1/00	115	B 23 B	47/28			5/20
295	E 21 D	17/02			53/24		B 27 C	3/00			49/02	37	B 23 F	19/06
296	E 21 D	19/00	146	B 65 G	53/12	31-34	B 23 B	39/16		B 23 G	1/48	38-45	B 23 F	5/00
297	E 21 D	15/52	147-150	B 65 G	51/28		B 23 G	1/20	116	B 23 B	49/00	46,47	B 23 F	5/12
298	E 21 D	15/34	151	B 65 G	53/24	35	B 23 B	39/20		B 23 G	1/00	48	B 23 F	5/00
299-301	E 21 D	23/00	152	B 65 G	53/42		B 23 G	1/20	117-119	B 23 B	39/16			15/00
302	E 21 D	23/12	153	B 65 G	53/14	36	B 23 B	39/16		B 23 G	45/12	49	B 23 F	19/06
		23/16	154,155	B 65 G	53/40		B 23 G	1/20	120-123	B 23 B	39/10	50-57	B 23 F	5/20
303	E 02 D	23/26	156	B 65 G	53/36	37-41	B 23 B	39/22		B 23 G	45/00	58-60	B 23 F	5/20
			157-162	B 65 G	53/40		B 23 G	1/20	124-127	B 23 B	39/10			5/28
			163	B 65 G	53/60	42,43	B 23 B	39/16			47/00			9/04
			164-167	B 65 G	53/40		B 23 G	1/20		B 23 G	3/00	61,62	B 23 F	1/00
					53/52	44,45	B 23 G	1/20	128	B 23 B	45/10	63-65	B 23 C	3/32
U.S. Class 406			168-175	B 65 G	53/60			1/50			47/16	66-78	B 23 C	13/00
CONVEYORS, FLUID CURRENT			176-180	B 65 G	51/30	46	B 23 B	39/18		B 23 G	3/00	79-83	B 23 C	1/16
			181	B 65 G	51/18		B 23 G	1/20	129	B 23 B	47/00			1/18
1,2	B 65 G	51/36			53/52	47-53	B 23 B	39/16		B 23 G	3/08	84	B 23 C	
3	B 65 G	51/40	182,183	B 65 G	51/24		B 23 G	1/20	130	B 23 B	45/04	85-124	B 23 C	1/16
4	B 65 G	51/42			53/56	54	B 23 B	39/00			47/22			
5	B 65 G	51/44	184-190	B 65 G	51/06	55	B 23 B	39/00		B 23 B	47/00			
6-9	B 65 G	51/42	191	B 65 G	51/18		B 23 G	1/00	131,132	B 23 B	47/00			
10	B 65 G	51/08			53/52	56	B 23 B	51/06		B 23 G	3/00			
		51/36	192	B 65 G	51/22		B 23 B	9/00	133	B 23 B	47/14	125-130	B 23 D	1/30
		53/66			53/34	57-60	B 23 B	27/10		B 23 G	3/00			3/06
11,12	B 65 G	51/16	193	B 65 G	51/18			51/06	134-137	B 23 B	47/00			5/04
		53/66			53/52		B 27 C	9/00		B 23 G	3/00			9/00
13	B 65 G	51/34	194	B 65 G	53/34	61	B 23 B	51/06	138-142	B 23 Q	5/22	131-144	B 23 C	
14-22	B 65 G	51/16	195	B 65 G	51/18		B 27 C	9/00		B 23 B	47/00	145-164	B 23 C	9/00
		53/66			53/52	62	B 23 Q	5/22	143	B 23 B	27/14	165-168	B 23 C	1/14
23-25	B 65 G	53/66	196	B 65 G	53/54	63	B 23 Q	5/22			51/00	169,170	B 23 C	9/00
26,27	B 65 G	51/16	197	B 65 G	53/00	64-66	B 23 Q	5/22	145	B 23 B	27/20	171-174	B 23 C	
28-31	B 65 G	51/36	198	B 65 G	51/00	67,68	B 23 B	47/00	146	B 23 B	29/02	175-182	B 23 C	1/20
		53/66			53/00		B 23 G	11/00			51/00	183-195	B 23 C	1/00
32,33	B 65 G	53/66	U.S. Class 407				B 23 G	47/00		B 23 B	5/00			3/00
34-36	B 65 G	51/36	CUTTERS, FOR SHAPING				B 23 G	11/00	147-198	B 23 B	51/00	196-203	B 23 C	
		53/66					B 23 Q	5/22		B 23 D	77/00	204-218	B 23 C	1/12
37	B 65 G	51/42				70,71	B 23 B	47/00		B 23 G	5/00	219-227	B 23 D	7/08
38	B 65 G	53/04					B 23 G	11/00	199	B 23 B	51/00	228,229	B 23 C	
39-44	B 60 P	1/60					B 23 Q	5/50		B 23 D	77/00	230	B 23 C	1/00
45	B 65 G	53/30	1	B 26 D	9/00		B 23 B	39/00		B 23 G	5/00	231-234	B 23 C	1/00
46-49	B 65 G	53/00	2-11	B 23 P	15/28	72		47/00		B 27 G	15/00			3/00
50	B 65 G	53/66		B 26 D	1/00			49/00	200	B 23 B	47/34			7/00
51	B 65 G	53/40			3/00		B 23 G	1/00			51/00	235-241	B 23 D	7/00
52-61	B 65 G	53/08	12-19	B 23 P	15/42		B 23 B	39/00		B 23 D	77/00	242	B 23 C	9/00
		53/48	20-26	B 26 D	1/12	73,74		49/00		B 23 G	5/00	243,244	B 23 D	37/00
62-68	B 65 G	53/08	27	B 23 P	15/44		B 23 G	1/00		B 27 G	15/00	245,246	B 23 D	41/08
		53/46		B 26 D	1/12	75,76	B 23 B	39/00	201-203.5	B 23 B	51/00	247,248	B 23 D	41/00
69-71	B 65 G	53/48	28-64	B 26 D	1/12			47/00		B 23 D	77/00	249	B 23 D	39/00
72	B 65 G	51/00	65-120	B 23 P	15/28		B 23 G	49/00		B 23 G	5/00	250-253	B 23 D	41/06
73-76	B 65 G	53/40		B 26 D	3/00	77,78		1/00		B 27 G	15/00	254,255	B 23 D	39/00
77-82	B 65 G	53/44	U.S. Class 408				B 23 B	39/14	204	B 23 B	41/02	256,257	B 23 D	41/06
83,84	B 65 G	51/20	CUTTING BY USE OF ROTATING AXIALLY MOVING TOOL				B 23 G	1/00			51/04	258-262	B 23 D	37/00
		53/58				79,80	B 23 B	41/00		B 27 B	5/12	263	B 23 D	37/18
85	B 65 G	53/66					B 23 G	1/00	205,206	B 23 B	41/02	264-267	B 23 D	41/04
86	B 65 G	53/16				81-83	B 23 B	41/00			268	268	B 23 D	37/00
		53/26						49/04	207-225	B 23 B	51/00	269-275	B 23 D	41/06
87	B 65 G	47/24					B 23 G	1/00		B 23 D	77/00	276-279	B 23 D	41/02
88	B 65 G	53/16					B 23 B	41/00		B 27 G	15/00			41/06
		53/28	1	B 23 B	35/00	83.5		51/00	226	B 23 B	31/117	280-285	B 23 D	41/04
		53/38	2	B 27 C	9/00			49/00			51/00			41/08
		69/06	3	B 23 B	39/08	84	B 23 B	49/00		B 23 D	77/00	286,287	B 23 D	37/00
89	B 65 G	53/18			39/24	85,86	B 23 B	39/00		B 27 G	15/00	288,289	B 23 D	1/00
		53/26			39/26			47/00	227-233	B 23 B	51/00			3/00
90,91	B 65 G	53/38			3/08			49/00		B 23 D	77/00			5/00
		69/08	4,5	B 23 B	39/00		B 23 G	1/00		B 27 G	15/00	290-292	B 23 D	1/30
92	B 65 G	53/52	6	B 23 B	39/00	87	B 23 B	39/00	234-237	B 23 B	47/00			3/06
93-95	B 65 G	53/04			47/24			45/08	238	B 23 B	31/02			5/04
96-104	A 01 D	87/10	7	B 23 B	39/00			45/14			51/14	293-303	B 23 D	1/00
	B 65 G	53/58	8-12	B 23 B	39/04		B 23 G	1/00		B 23 G	1/46			3/00

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 409—Con.			89-95	B 60 P	1/64	166	F 16 B	39/00	378	E 01 B	9/10	944-946	F 16 B	39/00
				B 63 B	25/00			39/28		F 16 B	33/00	947	F 16 B	39/24
304-307	B 23 D	5/00	96-117	B 61 D	45/00	167	F 16 B	39/28			35/00	948	F 16 B	39/06
308	B 23 D	1/00		B 65 D	63/00			39/282	379-382	F 16 B	35/00	949-952	F 16 B	39/32
		3/00	118-120	B 61 D	45/00	168	F 16 B	35/04		F 16 B	35/02	953	F 16 B	39/24
		5/00	121	B 60 P	7/135	169,170	F 16 B	39/00	383-385	F 16 B	35/02	954	F 16 B	39/06
309	B 23 D	5/00		B 61 D	45/00	171	F 16 B	37/06	386,387	F 16 B	25/00	955	F 16 B	39/22
		5/02	122-126	B 63 B	25/24	172-175	F 16 B	37/02	388-395	F 16 B	35/00			39/28
310-313	B 23 D	1/00	127	B 61 D	45/00			37/04	396-399	F 16 B	23/00	956,957	F 16 B	39/28
		3/00		B 60 P	7/14	176	F 16 B	39/00	400	F 16 B	35/06	958	F 16 B	39/24
		5/00	128-142	B 61 D	45/00	177	F 16 B	37/04			45/00	959	F 16 B	39/26
314-316	B 23 D	5/00	143	B 60 P	7/15	178	F 16 B	37/12	401-410	F 16 B	23/00	960-962	F 16 B	39/22
		5/02		B 61 D	45/00	179-183	F 16 B	37/04			35/06	963	F 16 B	39/24
317-320	B 23 D	1/00	144-153	B 61 D	45/00	184,185	F 16 B	39/28	411-426	F 16 B	35/04			39/26
		3/00	154,155	B 61 D	45/00	186	F 16 B	39/284	427,428	F 16 B	37/00	964	F 16 B	39/28
		5/00		B 63 B	25/24	187,188	F 16 B	39/282	429-431	F 16 B	37/14	965,966	F 16 B	39/00
321-325	B 23 D	1/02	156	B 61 D	45/00	189	F 16 B	39/284	432-434	F 16 B	37/08	967	F 16 B	39/28
		1/04				190	F 16 B	39/00	435-437	F 16 B	37/16	968-979	F 16 B	39/00
		1/06				191,192	F 16 B	39/282	438	F 16 B	37/12	980	F 16 B	39/22
326	B 23 D	3/00				193,194	F 16 B	39/284	439	A 43 B	23/20	981,982	F 16 B	39/24
		3/02				195,196	F 16 B	39/28		B 43 M	15/00	983-997	F 16 B	39/02
		3/04				197-201	F 16 B	39/10		E 01 B	9/06	998	F 16 B	39/00
327-336	B 23 D	1/08				202,203	F 16 B	39/284		F 16 B	15/00	999	F 16 B	43/00
		1/20				204	F 16 B	39/10		F 16 B	15/00			
		7/04				205	F 16 B	39/04	440		19/14			
		7/10				206-208	F 16 B	39/30		F 16 B	15/00			
337,338	B 23 D	1/00	1-7	F 16 B	31/00	209	F 16 B	39/04	441	F 16 B	15/08			
		3/00				210,211	F 16 B	39/30	442-445	F 16 B	15/08			
		5/00	8-14	F 16 B	31/02	212-215	F 16 B	39/04	446-448	F 16 B	15/00			
339-342	B 23 D	1/08	15-43	F 16 B	13/04	216-220	F 16 B	39/06	449	F 16 B	15/04			
		1/20	44-74	F 16 B	13/06	221	F 16 B	39/04	450-455	F 16 B	15/08			
		7/04	75-80	F 16 B	13/04	222-242	F 16 B	39/12	456	F 16 B	15/06			
343,344	B 23 D	1/00	81	F 16 B	39/00	243-245	F 16 B	39/16	457-472	F 16 B	15/00	1	B 42 B	
		3/00	82	F 16 B	39/02	246	F 16 B	39/22	473	F 16 B	15/02	2	B 42 C	9/00
		5/00	83	F 16 B	39/00	247-249	F 16 B	39/284	474-478	F 16 B	15/00	3	B 42 C	7/00
345,346	B 23 D	1/04	84,85	F 16 B	27/00	250-252	F 16 B	37/12	479	E 04 B	1/48	4,5	B 42 C	11/00
		1/08	86	F 16 B	39/02	253-256	F 16 B	39/10		F 16 B	15/02	6	B 42 B	
		1/20	87	F 16 B	39/04	257,258	F 16 B	39/00		F 16 B	15/00	7	B 42 B	5/08
347,348	B 23 D	13/06	88	F 16 B	39/10	259	F 16 B	39/02		F 16 B	19/04	8	B 42 C	9/00
			89	F 16 B	39/32			39/28	500	F 16 B	19/08	9	B 42 B	
			90	F 16 B	39/02			39/28	501-503	F 16 B	19/08			
					39/22	260	F 16 B	39/10	504	F 16 B	19/06	10-14	B 42 C	13/00
					39/28			39/26	505	F 16 B	19/06	15	B 42 C	17/00
					39/02	261	F 16 B	39/26	506,507	F 16 B	19/06	16	B 42 B	9/00
					39/22	262	F 16 B	37/12	508-510	F 16 B	19/00	17	B 42 C	7/00
					39/02	263,264	F 16 B	39/28	511	E 01 B	9/12	18	B 42 C	11/00
			93-96	F 16 B	39/10	265-270	F 16 B	39/36		F 16 B	21/00	19	B 42 C	11/02
			97	F 16 B	39/02	271	F 16 B	39/02		F 16 B	21/00	20	B 42 B	9/00
					39/284	272-275	F 16 B	39/22	512	F 16 B	21/00	21	B 42 C	11/04
					39/34	276-291	F 16 B	39/22	513-515	F 16 B	21/14	22	B 42 C	13/00
			98-100	F 16 B	39/02			39/28	516-530	F 16 B	21/18	23	B 42 B	9/00
					39/22	292-295	F 16 B	39/04	531-536	F 16 B	43/00	24,25	B 42 C	5/00
			101,102	F 16 B	39/02	296-299	F 16 B	39/22	537-547	F 16 B	43/02	26,27	B 42 C	9/02
			103	F 16 B	37/04	300	F 16 B	39/04	548	F 16 B	21/00	28,29	B 42 B	9/00
19-23	B 60 P	3/06			39/00	301	F 16 B	39/22	549-555	F 16 B	21/00	30	B 42 C	5/02
24	B 60 P	3/08			37/00	302-304	F 16 B	39/34	900-909	F 16 B	41/00	31	B 42 C	9/02
24.1	B 60 P	3/07	104	F 16 B	37/00	305	F 16 B	39/22	910,911	F 16 B		32	B 42 B	9/00
		3/08	105	F 16 B	39/00	306	F 16 B	39/284	912	F 16 B		33	B 42 B	5/00
25-29.1	B 60 P	3/08	106	F 16 B	39/22	307-311	F 16 B	39/30	913	F 16 B	13/04	34	B 42 B	5/06
30	B 60 P	3/06	107	F 16 B	39/00	312	F 16 B	39/32	914-916	F 16 B	33/04	35	B 42 B	2/00
	B 60 T	3/00	108	F 16 B	37/04	313	F 16 B	39/22			27/00	36	B 42 B	5/04
31	B 60 P	7/06	109	F 16 B	37/12	314	F 16 B	39/284			29/00	37	B 42 C	9/00
	B 61 D	3/16	110	F 16 B	39/28	315-320	F 16 B	39/04	917	F 16 B	35/00	38	B 42 B	5/08
32-42	B 60 P	7/12	111,112	F 16 B	39/284	321-323	F 16 B	39/06			27/00	39	B 42 B	5/10
	B 61 D	3/16	113	F 16 B	39/28	324	F 16 B	39/284			29/00	40-43	B 42 B	9/00
43	B 60 P	7/06			39/34	325	F 16 B	39/02			37/00	900	B 42 B	9/00
	B 61 D	3/16	114,115	F 16 B	39/32	326-331	F 16 B	39/02	918	F 16 B	17/00			9/06
44,45	B 60 P	3/40	116,117	F 16 B	39/10	332	F 16 B	39/32			37/00	901	B 42 B	9/06
46	B 60 P	7/06	118	F 16 B	39/20	333	F 16 B	39/28	919	F 16 B	23/00	902	B 42 C	13/00
	B 61 D	3/16	119-124	F 16 B	39/10	334-336	F 16 B	39/284			25/00			
47-50	B 60 P	7/12	125-128	F 16 B	39/32	337	F 16 B	39/02			33/00			
	B 61 D	3/16	129-131	F 16 B	39/10			9/12	920-922	F 16 B	15/00			
51	B 62 B	1/00	132	F 16 B	39/24	338-351	F 16 B	21/00	923	F 16 B	15/02			
		3/00	133	F 16 B	39/28	352,353	F 16 B	21/18	924-929.2	F 16 B	39/00			
52	B 60 P	1/64	134	F 16 B	35/04	354,355	F 16 B	19/00			39/16			
	B 63 B	25/00			37/04	356-359	F 16 B	15/00			39/30			
53	B 61 D	3/14			39/00	360-364	F 16 B	19/00	930-934	F 16 B	39/00	1	B 21 D	51/26
54,55	B 60 P	3/42	135	F 16 B	39/00	365	F 16 B	19/00			39/34	2-5	B 21 D	51/30
	B 61 D	45/00	136,137	F 16 B	39/24	366	F 16 B	33/00	935,935.1	F 16 B	39/36	6	B 21 D	51/32
56-67	B 60 P	3/06	138	F 16 B	39/32	367-369	F 16 B	35/00	936-938	F 16 B	39/02	7	B 21 D	51/30
68	B 60 P	3/00	139	F 16 B	39/24	370	F 16 B	33/00			39/28	8	B 21 D	51/44
69-85	B 60 P	1/64	140	F 16 B	39/28	371-377	A 47 G	3/00	939	F 16 B	39/06	9	B 21 D	51/46
	B 63 B	25/00	141	F 16 B	39/32			19/00	940	F 16 B	39/04	10	B 21 D	51/50
	B 64 C	1/22	142	F 16 B	39/28			33/00	941-941.3	F 16 B	39/00	11	B 21 D	51/48
86-88	B 60 P	1/64	143-146	F 16 B	39/282			43/00	942	F 16 B	39/04	12-17	B 21 D	51/44
	B 61 D	45/00	147-165	F 16 B	39/24				943	F 16 B	39/02	18-21	B 21 D	51/46

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 413—Con.														
22	B 21 D	51/42	495-497	B 62 B	1/00	791.3,791.4	B 65 H	29/00	5	F 01 D	23/00	25	F 01 B	25/00
23,24	B 21 D	51/50	498-500	B 65 F	3/26		B 65 G	57/081		F 03 B	9/00		F 01 D	17/00
25	B 21 D	51/44	501-505	B 60 P	1/02	791.5	B 65 H	29/00		F 03 D	5/02		F 03 B	15/00
26-30	B 21 D	51/30	506-523	B 60 P	1/64	791.6,791.7	B 65 G	57/00		F 04 B	19/16		F 03 D	7/00
31-41	B 21 D	51/32		B 60 P	1/00	791.8,791.9	B 65 G	57/22	6	F 04 D	23/00		F 04 D	27/00
42-44	B 21 D	51/30		B 65 F	1/00	792-792.6	B 65 G	57/26	7	F 04 D	23/00	26	F 01 B	25/00
45-52	B 21 D	51/26		B 65 F	3/00	792.7-792.9	B 65 G	57/02		F 01 D	25/28		F 01 D	17/00
53	B 21 D	51/42	525.1-525.9	B 60 P	1/00		B 65 H	29/00		F 03 D	11/04			19/00
54,55	B 21 D	51/26		B 65 F	3/00	793,793.1	B 65 G	57/04	8	F 04 D	29/60			21/00
56	B 21 D	51/44	526-559	B 60 P	1/00		B 65 H	29/00		B 63 H	21/26		F 03 B	15/00
57-65	B 21 D	51/46		B 65 F	3/00	793.2,793.3	B 65 G	57/04	9	F 01 B	25/16		F 03 D	7/00
66-68	B 21 D	51/44	560-563	B 60 P	1/00		B 65 G	57/04		F 01 D	21/00		F 04 D	27/00
69-77	B 21 D	51/28		B 65 F	3/00	793.4	B 65 H	29/30	10	F 01 B	25/00	27	F 04 D	27/02
78	B 21 D	51/26	564-571	B 65 G	25/00		B 65 G	57/03		F 01 D	17/00	28	F 01 B	25/00
			572-585	B 66 B	17/00	793.5-793.7	B 65 H	29/26			19/00		F 01 D	17/00
				A 01 D	90/00		B 65 G	57/03			21/00			19/00
				B 65 G	67/02	793.8-794.2	B 65 H	29/36		F 03 B	15/00			21/00
			586-588	B 65 G	25/00		B 65 G	57/03		F 03 D	7/00		F 03 B	15/00
				F 23 K		794.3	B 65 H	29/26		F 04 D	15/00		F 03 D	7/00
			589-591	B 66 F			B 65 G	57/03			27/00		F 04 D	15/00
				F 41 A	9/00	794.4	B 65 H	29/56	11	F 01 B	25/00			27/00
			592-674	B 65 G			B 65 G	57/09		F 03 B	15/00	29	F 01 B	25/00
1-8	B 25 J	1/00		B 66 F		794.5	B 65 H	29/00		F 04 D	27/00		F 01 D	17/00
		3/00		G 06 M			B 65 G	57/112			5/12			19/00
		15/00	675	B 65 G	35/00	794.6	B 65 H	29/50	12	F 01 D	9/02			21/00
		19/00	676	B 65 H	11/00		B 65 G	29/18			7/00		F 03 B	15/00
	G 21 C		677	B 63 C	3/00	794.7	B 65 G	29/50		F 03 D	7/00		F 03 D	7/00
9	A 47 G	21/00	678	B 65 G	69/00		B 65 H	29/09		F 04 D	29/38	30-32	F 01 B	25/06
		21/08	679	B 66 C	23/00	794.8	B 65 G	57/09	13	F 01 B	25/00		F 01 D	17/06
10-12	E 04 G	21/14	680-684	B 66 C	9/00		B 65 H	29/00		F 01 D	17/00			19/00
13	B 08 B			B 66 F	9/00	794.9-795.3	B 65 G	57/22			19/00			21/02
14	B 23 Q	5/22		E 02 F	3/00		B 65 H	29/22			21/00		F 03 B	15/06
	B 65 H	5/00	684.3	B 66 C	23/00		B 65 G	57/30		F 03 B	15/00		F 03 D	7/00
15-20	B 23 Q	5/22		B 66 F	9/00	795.4	B 65 H	29/00		F 03 D	7/00		F 04 D	15/00
21	B 65 G	69/00		E 02 F	11/00		B 65 G	59/00		F 04 D	15/00			27/00
	G 01 G	13/00			3/00	795.5	B 65 H	3/00	14		27/00	33	F 01 B	25/06
22.51-22.71	E 21 B	19/00	685-727	B 66 C	23/00		B 65 G	59/00		F 01 B	25/00		F 01 D	7/02
23	A 01 G	23/02		B 66 F	9/00	795.6	B 65 H	3/48		F 01 D	21/04		F 03 B	15/06
	B 66 F	11/02		E 02 F	3/00	795.7-796.4	B 65 G	59/10			21/14		F 03 D	7/00
24	B 66 F	11/00	728	B 66 C	23/00		B 65 H	3/00		F 03 B	15/00		F 04 D	15/00
24.5	A 01 D	85/00	729-741	B 66 C	1/00	796.5-796.9	B 65 G	59/02		F 03 D	7/00			27/00
		90/00			3/00		B 65 H	3/00		F 04 D	15/00	34,35	F 01 B	25/06
24.6	A 01 D	90/10	742-744.8	B 66 C	23/00	797	B 65 G	59/02			27/00		F 01 D	17/06
25	A 01 D	85/00	745.1-746.8	B 66 F	11/00		B 65 H	3/08	15	F 01 B	25/00			19/00
26	A 24 B	1/06	749-753	B 65 G		797.1	B 65 G	59/02		F 01 D	17/00			21/02
27	B 65 G	57/00	754-784	B 25 J			B 65 H	3/16			19/00		F 03 B	15/06
111	B 65 G		785	B 66 C	3/00	797.2,797.3	B 65 G	59/02			21/00		F 03 D	7/00
	B 65 H	27/00	786,787	B 65 G			B 65 H	3/00		F 03 B	15/00		F 04 D	15/00
132	A 24 B	1/06	788,788.1	B 65 B	35/50	797.4-797.8	B 65 G	59/06		F 03 D	7/00			27/00
	B 65 G	57/00		B 65 G	57/00		B 65 H	3/00		F 04 D	15/00	36-46	F 01 B	25/06
133	B 65 G	57/00		B 65 H	29/00	797.9	B 65 G	59/06			27/00		F 01 D	17/06
137.1-143.2	B 63 B	27/00	788.2,788.3	B 65 B	35/50		B 65 H	3/24	16	F 01 B	25/20		F 03 B	15/08
		35/00		B 65 G	57/16	798,798.1	B 65 G	59/06		F 01 D	21/20		F 03 D	7/00
	B 65 G	67/60	788.4	B 65 G	57/00		B 65 H	3/00		F 03 B	15/18		F 04 D	15/00
146	G 21 C	19/00			59/00	798.2-798.8	B 65 G	57/00		F 03 D	7/00			27/00
147-216	B 65 G	25/00		B 65 H	3/00	798.9	B 65 G	59/00		F 04 D	15/00	47,48	F 01 B	25/00
	B 66 C	17/08			29/00	799	B 65 G	1/18			27/00		F 01 D	17/00
217-221	B 65 G		788.5	B 65 G	57/08				17,18	F 01 B	25/00			19/02
222-226	B 65 H	1/00			59/00					F 01 D	17/00			21/12
227-264	E 04 H	6/00		B 65 H	3/00						19/00			21/14
265	B 65 G	67/00			29/00						21/00		F 03 B	15/00
266-329	B 65 G	1/00	788.6,788.7	B 65 G	57/00					F 03 B	15/00		F 03 D	7/00
		65/00			59/00					F 03 D	7/00		F 04 D	15/00
331,332	B 65 G	1/00		B 65 H	3/00					F 04 D	15/00			27/00
333-402	B 65 F	9/00			29/00						27/00	49,50	F 01 B	25/02
	B 65 G	67/00	788.8	B 65 G	60/00	1	F 01 D		19	F 01 B	27/00		F 01 D	17/00
403-410	B 65 B	21/02	788.9	B 65 G	57/00		F 03 B			F 01 D	19/00		F 03 B	15/02
		69/00		B 65 H	31/34		F 03 D		20-22	F 01 B	25/02		F 03 D	7/00
	B 65 F	3/02	789	B 65 H	31/34		F 04 D			F 01 D	17/00		F 04 D	15/00
	B 65 G	65/04			57/00	2.1	F 03 B	15/06		F 03 B	15/02			27/00
411-425	B 65 B	21/02	789.1	B 65 G	57/00		F 03 D	7/00		F 03 D	7/00	51	F 01 B	25/00
		69/00	789.2	B 65 H	31/38	3.1	F 03 B	13/12		F 04 D	15/00		F 01 D	17/00
	B 65 G	65/04		B 65 G	57/28			15/06			27/00			19/00
426-430	B 60 B	29/00	789.3,789.4	B 65 H	15/00	4.1	F 03 D	7/00	23	F 01 B	25/12			21/00
	B 65 G	7/00	789.5,789.6	B 65 H	57/00		F 03 B	15/06		F 01 D	17/02		F 03 B	15/00
431	B 65 H	51/00	789.7	B 65 G	57/00	4.2	F 03 D	7/00			17/20		F 03 D	11/00
432	B 65 H	51/26		B 65 H	29/00		F 03 B	15/06		F 03 B	15/20		F 04 B	15/00
433	B 65 G	29/00	789.8	B 65 G	67/24	4.3	F 03 D	7/06		F 03 D	7/00			27/00
434-443	B 60 P	1/00		B 65 H	29/00		F 03 B	15/06	24	F 01 B	25/00	52.1	F 01 D	1/12
444-457	B 62 B	1/06	789.9-790.7	B 65 G	57/00	4.4	F 03 D	7/02		F 01 D	17/00			5/02
458-461	B 60 P	3/00		B 65 H	31/30		F 03 B	15/06			21/00			9/00
462	B 60 P	9/00	790.8	B 65 G	57/00	4.5	F 03 D	7/00		F 03 B	15/14		F 03 B	25/00
463-466	B 62 D	43/00		B 65 H	31/32		F 03 B	15/06		F 03 D	7/00			3/00
467-494	B 60 P	1/04	790.9-791.2	B 65 G	57/00		F 03 D	7/02		F 04 D	25/00			11/00
											27/00		F 03 D	1/00

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 415—Con.			76	F 01 D	1/34	124	F 04 D	25/02		F 01 D	17/12			9/00
				F 03 B	5/00	124.1	F 01 D	15/12		F 03 B	1/04			11/00
				F 01 D	1/04		F 03 D	11/02			3/18			25/16
		3/00	77-79		5/06	124.2	F 01 D	15/12		F 03 D	7/00		F 03 B	11/00
		5/00			3/04		F 03 D	5/02		F 04 D	15/00		F 03 D	11/00
		11/00		F 03 B	3/00			11/02			27/00		F 04 D	29/08
53.1-53.3	F 04 D	29/00		F 03 D	11/00	125	F 01 D	7/00			29/44			29/18
	F 04 D	5/00		F 04 D	19/00		F 03 B	3/06			29/56	174.3	F 01 D	11/00
		23/00			29/32			3/14	152.1-154.3	F 01 D	1/30		F 03 B	11/00
54.1	F 01 D	1/12			1/18			3/18		F 03 B	1/04		F 03 D	11/00
	F 03 B	1/00	80	F 01 D	1/00		F 03 D	11/00			3/18	174.4	F 04 D	29/08
		3/16		F 03 B	3/00		F 04 D	29/36	155-167	F 01 B	25/02		F 01 D	5/00
	F 03 D	1/00			1/16			29/46		F 01 D	17/12			9/00
		3/00	81	F 01 D	1/04			29/54		F 03 B	1/04			11/00
		5/00		F 03 B	3/00	126	F 01 D	25/24			3/18			25/16
	F 04 D				1/18		F 03 B	11/02		F 03 D	7/00		F 03 B	11/00
55.1-55.7	F 01 D	1/12	82	F 03 B	1/00		F 03 D	11/00		F 04 D	15/00		F 03 D	11/00
	F 04 D	1/04			3/00		F 04 D	29/40			27/00		F 04 D	29/08
		5/00			1/06	127	F 01 D	25/24			29/44			29/18
		29/42	83-87	F 01 D	5/04		F 03 B	11/02			29/56	174.5	F 01 D	11/02
		11/04			11/00		F 03 D	11/00	167.1	F 04 D	1/10		F 03 B	11/00
56.1-56.6	F 03 B	9/00		F 03 D	1/08	128	F 01 D	25/24	168.1-168.4	F 01 D	11/00		F 03 D	11/00
	F 04 D	29/66	88	F 04 D	1/12		F 03 B	11/02		F 03 B	11/00		F 04 D	29/08
		1/12	89	F 04 D	1/14		F 03 D	11/00		F 03 D	11/00	175,176	F 01 D	5/08
57.1-58.1	F 01 D	1/00	90	F 01 D	1/36		F 04 D	29/40		F 04 D	29/08			5/18
	F 03 B	3/00		F 03 B	5/00	129-133	F 01 D	5/02	169.1	F 01 D	11/00			11/00
		11/00	91	F 01 D	1/04			7/00			25/00			25/08
		1/00			5/06		F 03 B	1/02		F 03 B	11/00			25/16
	F 03 D	3/00		F 03 B	3/04			3/06			11/04			25/18
		5/00		F 03 D	11/00			3/12		F 03 D	11/00		F 03 B	11/00
				F 03 D	3/00		F 03 D	11/00		F 04 D	29/00		F 03 D	11/00
58.2,58.3	F 04 D	5/04		F 04 D	19/00	134-139	F 01 D	25/26			29/08		F 04 D	29/04
	F 01 D	1/02			29/32		F 03 D	11/00			29/66			29/08
	F 03 B	3/12	92	F 01 D	1/00		F 28 F	7/00			29/70			29/58
		1/06		F 03 B	11/00	140,141	F 01 D	5/02	169.2-169.4	F 01 B	31/18	177-180	F 01 D	5/08
	F 03 D	3/06		F 03 D	11/00			5/30		F 01 D	25/32			5/18
		5/00	93-103	F 01 D	3/02		F 03 B	1/02		F 03 B	11/00			25/08
	F 04 D	29/18	104-107	F 01 D	3/04			3/12		F 03 D	11/00		F 03 B	11/00
		29/26			25/26		F 03 D	11/00		F 04 D	29/00		F 04 D	29/58
58.4,58.5	F 01 D	1/12	108	F 01 D	11/00		F 04 D	29/18			31/00	181	F 01 D	1/02
		25/24	109-113	F 01 D	25/16	142	F 01 D	25/16	170.1	F 01 D	5/00			1/10
	F 03 B	1/00			11/00		F 03 B	11/06			9/00			9/00
		3/00		F 03 B	11/00		F 03 D	11/00			11/00		F 03 B	1/04
		11/00		F 03 D	11/00		F 04 D	29/04		F 03 B	25/16		F 04 D	3/16
	F 03 D	1/00		F 04 D	29/08	143	F 01 D	13/00		F 03 D	11/00	182.1	F 01 D	21/00
		3/00		F 16 J	15/00		F 03 B	15/00		F 04 D	29/08			1/00
		5/00	114	F 01 D	25/08		F 04 D	1/10			29/18			9/00
	F 04 D			F 03 B	11/00			13/12	171.1	F 01 D	5/00		F 03 B	25/24
	F 01 D	1/12		F 04 D	29/58			17/14			9/00			1/00
		25/24	115	F 01 D	5/14	144,145	F 01 B	25/00			11/00			11/02
	F 03 B	1/00		F 03 B	11/00		F 01 D	13/02		F 03 B	11/00		F 03 D	1/00
		3/00		F 03 D	11/00			17/00		F 03 D	11/00			3/00
		11/02		F 04 D	29/38		F 03 D	7/00		F 04 D	29/08			5/00
	F 03 D	1/00	116	F 04 D	31/00		F 04 D	27/00	172.1	F 01 D	5/00			11/00
		3/00	117	F 01 D	1/00		F 01 B	25/02			9/00		F 04 D	1/00
		5/00	118	F 01 B	25/26	146,147	F 01 D	17/00			11/00			17/00
	F 04 D			F 01 D	25/00		F 03 B	15/06		F 03 B	11/00			23/00
58.7,59.1	F 01 D	1/12		F 03 B	11/00		F 03 D	7/04		F 03 D	11/00			29/42
		5/02		F 03 D	11/00		F 04 D	25/10		F 04 D	29/16	183-196	F 01 D	1/02
		9/00		F 04 D	29/00			25/02		F 01 D	5/20			9/00
		25/00	119	F 01 D	5/10	148	F 01 B	17/12	173.1-173.5		11/08		F 03 B	1/04
	F 03 B	1/00			5/16		F 01 D	1/04		F 03 B	11/00			3/16
		3/00			5/26		F 03 B	3/18		F 03 D	11/00		F 03 D	1/04
		11/00			25/04			7/00		F 04 D	29/08			3/04
	F 03 D	1/00		F 03 B	11/04		F 03 D	15/00			29/18			11/00
		3/00		F 03 D	11/00		F 04 D	27/00	173.6	F 01 D	5/00		F 04 D	29/44
		5/00		F 04 D	29/66			29/44			9/00			29/54
		11/00	120	F 01 D	1/06			29/56			11/00	197	F 01 D	1/02
	F 04 D				1/14	149.1	F 01 B	25/02			25/16			9/00
60-69	F 01 D	1/24			1/28		F 01 D	17/00		F 03 B	11/00		F 03 B	1/04
		13/00			5/04		F 03 B	1/04		F 03 D	11/00			3/16
	F 03 D	3/02		F 04 D	1/02			3/18		F 04 D	29/08		F 03 D	1/04
	F 04 D	13/04			17/02		F 03 D	7/00			29/18			3/04
		25/16			29/00		F 04 D	15/00	173.7	F 01 D	5/00			11/00
70	F 01 D	23/00	121.1	F 01 D	5/12			27/00			9/00		F 04 D	7/00
	F 04 D	11/00			25/00			29/46			11/00			29/02
		33/00		F 03 B	3/12	149.2-149.4	F 01 B	25/02			25/16	198.1-207	F 01 D	1/02
71-74	F 01 D	5/00			11/00		F 01 D	17/00			25/24			9/00
	F 03 B	3/12		F 03 D	11/00		F 03 B	1/04		F 03 B	11/00		F 03 B	1/04
	F 04 D	1/04	121.2	F 03 B	11/08			3/18		F 03 D	11/00			3/16
		3/02		F 04 D	29/70			7/02		F 04 D	3/00		F 03 D	1/04
		17/06	121.3	F 01 D	15/00		F 03 D	15/00			19/00			3/04
		29/28		F 03 B	13/00		F 04 D	27/00			29/08			11/00
75	F 01 D	5/00		F 03 D	9/00			29/56			29/18		F 04 D	29/44
	F 03 B	3/12	122.1,123	F 01 D	15/12	150,151	F 01 B	25/02	174.1,174.2	F 01 D	5/00			29/54
	F 03 D	11/00		F 03 D	11/02									

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U.S. Class 415—Con.														
208.1-211.2	F 01 D	1/02		F 03 D	1/04		F 04 D	29/00		F 01 D	5/00			5/18
		9/00		F 04 D	3/00	913		29/60		F 03 B	3/12		F 03 D	11/02
	F 03 B	1/00			19/00		F 01 D	25/24		F 04 D	29/18	98	F 04 D	29/58
		3/16			29/52		F 03 B	11/02			29/26		B 63 H	3/00
		11/02	224	F 01 D	1/00		F 03 D	1/00	23,24	B 64 C	11/28		B 64 C	11/06
	F 03 D	1/04			1/02	914	F 04 D	29/40			5/00			11/30
		3/04			1/18		F 01 D	9/00		F 01 D	5/00		F 01 D	27/00
		5/00			9/00			25/24		F 03 B	3/12		F 03 B	7/00
		11/00		F 03 B	1/00		F 03 B	1/00		F 03 D	29/18		F 03 D	3/14
	F 04 D	29/44			3/00			11/02		F 04 D	29/26		F 04 D	29/36
		29/54			11/02		F 03 D	1/04	25-30	B 63 H	3/10	99	B 63 H	3/00
212.1	F 01 D	9/00		F 03 D	3/04		F 04 D	3/04		B 64 C	11/30		B 64 C	11/06
	F 03 B	3/16		F 04 D	5/00			29/68		F 01 D	7/00			11/30
	F 04 D	29/44			11/00	915	B 22 C			F 04 D	29/18		F 04 D	11/46
213.1	F 01 D	25/26			23/00		B 22 D				29/26			27/10
		25/28			29/40		B 29 D		31-53	B 63 H	3/00			27/32
	F 03 B	11/00	224.5-226	F 01 D	1/06		F 04 D	29/00			5/12			27/52
	F 03 D	11/04			1/22	916	F 01 D	15/00		B 64 C	11/34			27/54
	F 04 D	29/60			9/00		F 03 B	13/00			11/40		F 01 D	7/00
214.1,215.1	F 01 D	25/24			25/24		F 03 D	9/00			11/50		F 03 B	3/14
	F 03 B	11/02		F 03 B	3/00		F 04 D	13/00		F 01 D	7/00	100,101	F 03 D	
	F 03 D	11/00			3/16			25/00		F 03 D	7/00		F 04 D	29/36
	F 04 D	29/40			11/02					F 04 D	29/18		B 63 H	3/00
216.1	F 01 D	25/00		F 04 D	1/00						29/26		B 64 C	11/06
	F 03 B	11/00			29/42				54-59	F 01 B	23/00			11/30
	F 03 D	11/00	227,228	F 01 D	1/06					F 01 D	15/00		F 01 D	27/00
	F 04 D	29/04			1/22					F 03 B	13/00		F 03 B	3/14
217.1	F 01 D	5/28			5/04					F 04 D	29/00		F 04 D	29/36
	F 03 B	1/02			5/12	1	B 63 H		60	D 05 B	81/00	102	B 63 H	3/00
		3/12			9/00		B 64 C	11/00	61-63	B 63 H	1/00		B 64 C	11/06
	F 03 D	1/06			25/24			27/00			3/00			11/30
		3/06		F 03 B	3/00						5/00			27/52
		5/00			3/12	2	F 03 D	1/00			7/00		F 01 D	7/00
	F 04 D	7/00			11/02		B 63 H	3/00		B 64 C	11/00		F 03 B	3/14
218.1		29/02		F 04 D	1/00			5/00			27/00		F 03 D	
	F 01 D	5/02			17/00			7/00		F 01 D	5/00		F 04 D	29/36
	F 03 B	1/02			29/18		B 64 C	11/00		F 03 B	3/12	103	B 64 C	27/32
		3/12			29/26			27/00		F 03 D	25/00	104	B 63 H	3/00
	F 03 D	1/06			29/40		F 01 D	5/00		F 03 D	3/12	105	B 64 C	27/46
		3/06	229	F 01 D	25/00			25/00		F 04 D	29/00	106,107	B 64 C	27/51
		5/00			25/16		F 03 B	3/12	64-68	F 03 D	5/04	108-119	B 63 H	3/00
	F 04 D	29/18		F 03 B	11/00		F 03 D	11/00	69-73	A 01 M	3/02		B 64 C	11/06
		29/26			11/06		F 04 D	29/00		A 45 B	27/00			11/30
219.1	F 01 D	1/00		F 03 D	11/00	3	F 03 G	7/00		A 47 J	43/10			27/00
		9/00		F 04 D	29/04	4	B 63 H	9/02			43/27		F 01 D	7/00
		25/24	230,231	F 01 D	25/00		B 64 C	23/08			43/27		F 03 B	3/14
	F 03 B	3/00			25/16		F 01 D	16/06	74	B 63 H	16/06		F 03 D	
		11/02		F 03 B	11/00		F 03 B	5/00	75	A 45 B	27/02		F 04 D	29/36
	F 03 D	1/06			11/06	5	F 01 D	25/00		A 47 J	43/10	120-123	B 63 H	5/08
		11/00		F 03 D	11/00		F 03 D	11/00			43/27		B 64 C	11/46
	F 04 D	29/18		F 04 D	29/10		F 04 D	29/00	76,77	A 47 J	43/10			27/08
		29/26	232	F 01 D	25/00	6	F 01 D	5/00			43/27		F 01 D	1/24
		29/40		F 03 B	11/00			7/00	78	B 63 H	5/02		F 03 D	1/02
220	F 01 D	1/00		F 03 D	11/00		F 03 B	7/00	79-83	F 03 D	5/06		F 04 D	29/18
		1/04		F 04 D	29/00		F 03 D		84-86	B 63 H	1/38			29/26
		1/20	900	F 03 B	13/00	7,8	B 63 H	1/34		F 03 B	7/00	124-129	B 63 H	5/10
		9/00		F 04 D	7/00		F 01 D	23/00		F 03 D	1/06		B 64 C	11/48
		25/24	901	F 03 B	13/02		F 03 B	9/00	87-89	B 63 H	1/22		F 01 D	1/24
	F 03 B	1/00		F 04 D	13/10		F 03 D	5/02			11/06		F 03 D	1/02
		3/04	902	F 01 D		9-17	F 03 B	7/00		B 64 C	11/28		F 04 D	29/18
		11/02		F 03 B				9/00			11/30			29/26
	F 03 D	1/04		F 04 D		18	F 03 D				27/37	130	B 63 H	5/08
	F 04 D	3/00			13/02		B 63 H	1/06			27/72		B 64 C	11/46
		19/00	903	F 03 B	13/04			3/00		F 01 D	7/00			27/08
		29/52	904	F 03 B			B 64 C	11/30		F 03 B	3/14			27/80
221	F 01 D	1/00	905	F 03 D	3/00		F 01 D	7/00			7/00		F 01 D	1/24
		1/04			5/00			19/00					F 03 D	1/02
		1/20			7/00			21/00		F 03 D	29/18		F 04 D	29/18
		9/00			11/00		F 03 B	7/00	90-92	B 64 C	29/26			29/26
	F 03 B	25/24	906	B 63 H	1/02	19	F 03 D	9/00		F 01 D	5/18	131-143	B 63 H	1/06
		3/04			1/12		B 63 H	3/00		F 03 B	3/12			5/12
		11/02		F 03 B	13/12			5/00		F 03 D	11/02		B 64 C	11/12
	F 04 D	3/00	907	F 03 D	1/00		B 64 C	11/00		F 04 D	29/38			11/28
		19/00			3/00		F 01 D	5/00		B 63 H	1/28			27/50
222,223	F 01 D	29/52	908	F 03 D	1/00		F 03 B	7/00	93	F 01 D	5/00		F 01 D	5/00
		1/00	909	F 03 D	7/00			3/12		F 03 B	3/12		F 04 D	29/18
		1/04			9/00		F 03 D	7/00		F 03 D	1/06			29/26
		1/20			11/00		F 04 D	29/18	94	B 64 C	11/14	144,145	B 63 H	1/00
		9/00	910	F 03 B	3/10			29/26	95-97	B 63 H	1/14			3/00
		25/24	911	F 01 D	1/30	20-22	B 63 H	11/00			7/02			5/00
	F 03 B	1/00		F 04 D	29/44		B 64 C	15/02		B 64 C	11/00			7/00
		3/04	912	F 01 D	25/00			27/18		F 01 D	5/08		B 64 C	11/00
		11/02		F 03 B	11/00									

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	
U.S. Class 416—Con.															
		27/00			13/00			7/00			7/00	32	F 04 B	49/10	
		5/00			15/00		F 03 D	11/00			11/02	33-39	F 04 B	49/00	
	F 01 D	25/00		B 64 C	11/00	194-196	F 04 D	29/38		F 04 D	29/38	40	F 04 B	49/04	
	F 03 B	3/12		F 01 D	25/00		B 63 H	1/14	232,233	B 63 H	1/26	41-43	F 04 B	49/00	
	F 03 D			F 03 B	3/12			5/06			5/06	44,45	F 04 B	49/06	
	F 04 D	29/00		F 03 D	9/00		B 64 C	11/16		B 64 C	11/24	46,47	F 04 B	49/00	
146	A 47 C	7/74	173	F 04 D	29/00			27/46			27/46	48,49	F 04 B	37/02	
		21/04	174	B 63 H	16/00		F 01 D	5/22		F 01 D	5/22		F 04 F	11/00	
	B 63 H	1/00		B 63 H	1/00			25/04		F 03 B	3/12		H 02 K	44/00	
		3/00			3/00		F 03 B	3/12			7/00	51	F 04 B	37/02	
		5/00			5/00			11/04		F 03 D	11/02	52	F 04 B	19/24	
		7/00			7/00		F 03 D	11/00		F 04 D	29/38	53	F 04 B		
		7/00		B 64 C	11/00	197	F 04 D	29/66	234-243	B 63 H	1/26	54,55	F 04 F		
		13/00			27/00		B 63 H	1/26			5/06	56-60	F 04 B	47/12	
		15/00		F 01 D	11/00			5/06			7/02	61	F 04 B	21/00	
	B 64 C	11/00			25/16		B 64 C	7/02		B 64 C	11/16	62	F 04 B	23/04	
		27/00			25/18			11/16			27/46	63	F 04 B	21/00	
	F 01 D	25/00		F 03 D	11/00			27/46		F 01 D	5/14	64	F 04 F		
	F 03 B	3/12		F 04 D	29/04		F 01 D	5/14		F 03 B	3/12	65	F 04 F		
	F 03 D	9/00			29/08		F 03 B	3/12			7/00	66,67	F 04 F	11/00	
	F 04 D	29/00	175	B 63 H	1/00			7/00		F 03 D	11/02	68,69	F 04 C	19/00	
147	B 63 H	1/06			5/02		F 03 D	11/02	244-246	F 04 D	29/38	70-72	F 04 F	11/00	
		3/00			5/08		F 04 D	29/38		B 63 H	1/28	73-75	F 04 F	1/16	
	B 64 C	11/06			13/00	198-201	B 63 H	1/00			5/00	76-79	F 04 B	23/04	
		11/30			15/00			5/02			7/00	80-84	F 04 B	23/08	
		27/00		B 64 C	11/00			5/08			13/00	85,86	F 04 B	23/14	
	F 01 D	7/00			27/08			13/00		B 64 C	15/00	87-91	F 04 B	23/08	
	F 03 B	3/14			27/32			15/00			11/14	92-104	F 04 F	11/00	
	F 03 D				27/82		B 64 C	11/00		F 01 D	27/32	105-107	F 04 F	1/04	
	F 04 D	29/36		F 01 D	1/24			27/08			5/00			3/00	
148	B 63 H	1/06		F 03 D				27/32		F 03 B	1/02	108-117	F 04 F	1/18	
		3/00		F 04 D	13/12			27/82			3/12	118-147	F 04 F	1/06	
	B 64 C	27/52			29/00		F 01 D	1/24			7/00			3/00	
	F 01 D	7/00	176	B 63 H	1/26		F 03 B				11/00	148	F 04 F	3/00	
	F 03 B	3/14			5/06		F 03 D				11/00	149	F 04 F	1/02	
	F 03 D				7/02		F 04 D	13/12		F 03 D	29/18	150	F 04 F	3/00	
149-153	F 04 D	29/36		B 64 C	11/16	202,203	B 63 H	29/00		F 04 D	29/26	151	F 04 F	5/00	
	B 63 H	1/06			27/46			1/26			29/66	152-154	F 04 F	9/00	
		3/00		F 01 D	5/14			5/06	247	B 63 H	1/00	155,156	F 04 F	5/16	
	B 64 C	11/06		F 03 B	3/12			7/02			5/00	157	F 04 F	5/16	
		11/30			7/00		B 64 C	11/16			7/00			5/48	
		27/00		F 03 D	11/02			27/46			13/00	158,159	F 04 F	9/00	
	F 01 D	7/00		F 04 D	29/38		F 01 D	5/14			15/00	160	F 04 F	5/44	
	F 03 B	3/14	177	B 63 H	1/16		F 03 B	3/12		B 64 C	11/00	161	F 04 F	5/00	
	F 03 D				7/02			7/00			27/00	162	F 04 F	5/48	
154	F 04 D	29/36		B 64 C	11/00		F 03 D	11/02		F 01 D	25/00	163-170	F 04 F	5/22	
	B 63 H	1/06			27/20	204	F 04 D	29/38		F 03 B		171	F 04 F	5/42	
		3/08		F 01 D	5/22		B 63 H	1/20		F 03 D		172-178	F 04 F	5/00	
	B 64 C	11/38		F 03 B	3/12			5/00		F 04 D	29/70	179,180	F 04 F	5/46	
		27/64			7/00			13/00	248	B 63 H	1/20	181	F 04 F	5/44	
	F 01 D	7/00		F 03 D	11/00			5/00			1/20	182-193	F 04 F	5/48	
	F 03 B	3/14	178	F 04 D	29/38		B 64 C	11/04			13/00	194	F 04 F	5/00	
	F 03 D			B 63 H	1/26			27/48			15/00	195	F 04 F	5/36	
155	F 04 D	29/36			5/06		F 01 D	5/30		B 64 C	11/04	196	F 04 F	5/44	
	B 63 H	1/06			7/02		F 03 B	3/12			27/48	197	F 04 F	5/00	
		3/00		B 64 C	11/16		F 03 D	11/00		F 01 D	5/30	198	F 04 F	5/44	
	B 64 C	11/06			27/46		F 04 D	29/34		F 03 B	3/12	199.1,199.2	F 04 B	23/08	
		11/30		F 01 D	5/14	205-209	B 63 H	1/20			11/00	200	F 04 D	9/00	
		27/00		F 03 B	3/12			5/00	500	F 04 D	29/34	201-203	F 04 B	23/14	
	F 01 D	7/00			7/00			13/00		B 64 C	11/16	204	F 04 B	23/10	
	F 03 B	3/14		F 03 D	11/02			15/00			27/51	205	F 04 B	23/08	
	F 03 D			F 04 D	29/38		B 64 C	11/06		F 01 D	5/10	206	F 04 B	23/12	
156-158	F 04 D	29/36	179-189	B 63 H	1/16			11/08			5/26	207-209	F 04 B	19/24	
	B 63 H	1/06			7/02			27/48			25/04		F 04 F	1/18	
		3/08		B 64 C	11/00		F 01 D	5/30		F 03 B	3/12	210	F 04 B	47/14	
	B 64 C	11/38			27/20		F 03 B	3/14			11/04	211	F 04 B	19/00	
	F 01 D	7/00		F 01 D	5/22		F 03 D	11/00		F 03 D		211.5-218	F 04 B	49/00	
	F 03 B	3/14		F 03 B	3/12	210-222	F 04 D	29/36		F 04 D	29/66	219	F 04 B	1/06	
	F 03 D				7/00		B 63 H	1/20	501	A 01 M	3/02	220	F 04 B	49/00	
159-168	F 04 D	29/36		F 03 D	11/00			5/00				221	F 04 B	1/06	
	B 63 H	1/06		F 04 D	29/38			13/00				222	F 04 B	1/26	
		3/00	190	B 64 C	11/16			15/00				223	F 04 B	49/00	
	B 64 C	11/06		F 01 D	5/10		B 64 C	11/04				225	F 04 B	17/00	
		11/30			5/26			27/48		U.S. Class 417					
		27/00			25/04		F 01 D	5/30		PUMPS					
	F 01 D	7/00		F 03 B	3/12		F 03 B	3/12				226,227	F 04 F	7/02	
	F 03 B	3/14			11/04		F 03 D	11/00	1	F 04 B	49/00	228	F 04 B	39/04	
	F 03 D			F 03 D	11/00	223-231	F 04 D	29/34	2-8	F 04 B	41/06	229,230	F 04 B	9/00	
	F 04 D	29/36		F 04 D	29/66		B 63 H	1/26	9	F 04 B	49/10			35/00	
169-172	A 47 C	7/74	191-193	B 63 H	1/16			5/06	10	F 04 B	49/02	231-233	F 04 B	17/06	
		21/04			7/02			7/02	11	F 04 B	31/00			35/06	
	B 63 H	1/00		B 64 C	11/00			11/16			49/00	234,235	F 04 B	21/00	
		3/00			27/20			27/46	12	F 04 B	49/00	236	F 04 B	41/00	
		5/00		F 01 D	5/22		F 01 D	5/14	13	F 04 B	49/10	237	F 04 B	41/04	
		7/00		F 03 B	3/12		F 03 B	3/12	14-31	F 04 B	49/00	238,239	F 04 B	19/00	

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U.S. Class 417—Con.			394	F 04 B	43/10	534-538	F 04 B	41/06	40-44	F 01 C	21/12	150	F 01 C	27/00
		37/00	395	F 04 B	45/00			21/02		F 03 C	2/00		F 03 C	2/00
240,241	F 04 F	7/00			43/06	539-544	F 04 B	11/00		F 04 C	2/00		F 04 C	4/00
242	F 04 B	49/00	396-409	F 04 B	17/00	545-554	F 04 B	21/04			15/02	151,152	F 01 C	21/00
243	F 04 B	23/00			35/00			39/10			29/08		F 03 C	2/00
		25/00	410,411	F 04 B	17/00	555,1,555.2	F 04 B	21/02	45	F 01 C	5/00		F 04 C	2/00
244-268	F 04 B	3/00			35/04			39/10		F 03 C	2/00		F 04 C	2/00
		5/00	412	F 04 B	43/00	556	F 04 B	21/04		F 04 C	2/00			15/00
		25/00			45/00			39/00			5/00			29/00
269	F 04 B	1/12	413	F 04 B	17/00	557	F 04 B	21/00			18/00	153-156	F 01 C	5/00
		27/08	414,415	F 04 B	17/00			39/00		F 16 N	13/20		F 03 C	2/00
270	F 04 B	1/26			35/04	558-571	F 04 B	21/02	46,47	F 01 C	21/00		F 04 C	2/00
		27/08	416-418	F 04 B	17/04			21/00		F 03 C	2/00			5/00
271,272	F 04 B	1/00			35/04	572	F 04 B	39/00		F 04 C	4/00			29/00
		27/00	419-422	F 04 B	17/00			15/02			2/00	157,158	F 01 C	21/00
273	F 04 B	1/04	423.1-424.2	F 04 B	35/04	900	F 04 B	15/08		F 04 C	29/00		F 03 C	2/00
		27/04			9/14	901	F 04 B	17/00			13/20			4/00
274-311	F 04 B	49/00	425	F 04 B	17/00	902	F 04 B	35/00		F 16 N	13/20		F 04 C	2/00
312,313	F 04 B	39/00			35/00			9/02	48	F 01 C	1/10			15/00
		19/00	426-429	F 04 B	23/04						5/00			29/00
314,315	F 04 B	37/00			41/06	U.S. Class 418				F 03 C	4/00	159	F 01 C	21/12
316-318	F 04 B	9/00	430-435	F 04 B	21/00	ROTARY EXPANSIBLE CHAMBER DEVICES				F 04 C	2/00		F 03 C	2/00
		17/00			39/00						5/00		F 04 C	2/00
319	F 04 B	9/00	436	F 04 B	39/06				49-67	F 16 N	13/20			15/02
		35/00	437	F 04 B	21/00	1	F 01 C	2/00		F 01 C	1/02	160-165	F 01 C	1/00
320	F 04 B	19/14	438	F 04 B	39/00		F 03 C	4/00			1/063		F 03 C	2/00
321	F 01 B	23/08	439	F 04 B	21/00			4/00		F 03 C	2/00		F 04 C	2/00
	F 04 B	17/00	440,441	F 04 B	23/00		F 04 C	2/00			4/00			4/00
		35/00			41/00		F 16 N	13/20		F 04 C	2/00		F 04 C	2/00
322-333	F 04 B	17/00	442	F 04 B	21/00	2	F 01 C	21/00			18/00	166-171	F 01 C	1/10
		35/00			39/00		F 03 C	2/00		F 16 N	13/20		F 03 C	2/00
334-336	F 04 B	17/00	443-446	F 04 B	7/00			4/00	68	F 01 C	3/00			4/00
		35/00	447	F 04 B	21/00		F 04 C	2/00		F 03 C	2/00		F 04 C	2/00
		35/00			39/00			2/00			4/00			18/00
337-339	F 04 B	17/00	448-453	F 04 B	47/00		F 16 N	13/20		F 04 C	2/00	172-177	F 01 C	1/00
		35/00	454-459	F 04 B	21/00		F 01 C	1/30			3/00		F 03 C	2/00
340	F 04 B	31/00			39/00	3		11/00	69-82	F 01 C	21/00		F 04 C	2/00
341-352	F 04 B	17/00	460-469	F 04 B	19/02		F 03 C	2/00		F 03 C	2/00			4/00
		35/00			29/00			4/00			4/00	178-180	F 01 C	21/00
353,354	F 04 B	17/00	470,471	F 04 B	19/00		F 04 C	2/00		F 04 C	2/00		F 03 C	2/00
		35/04			37/00			18/00			2/00			4/00
355	F 04 B	17/00	472,473	F 04 B	43/00	4	F 01 C	5/00	83-102	F 01 C	21/04		F 04 C	2/00
		35/00			45/02		F 01 D	23/00			21/06			15/00
356,357	F 04 B	17/00	474-477	F 04 B	43/08		F 03 C	5/00		F 03 C	2/00	181	F 01 C	13/00
		35/04			43/12		F 04 C	15/00			2/00		F 03 C	2/00
358	F 04 B	47/10	478	F 04 B	43/08			29/00		F 04 C	15/00		F 04 C	2/00
359-365	F 04 B	17/00			45/06	5-13	F 01 C	1/30			2/00			13/00
		35/00	479,480	F 04 B	43/00			11/00			4/00	182	F 01 C	17/00
		35/00	481-484	F 04 C	21/00		F 03 C	2/00			15/00		F 03 C	2/00
		39/02	485	F 04 B	23/00			4/00		F 04 C	27/02			4/00
		39/06			41/00		F 04 C	2/00			13/00		F 04 C	2/00
366	F 04 B	17/00	486-488	F 04 B	19/00			11/00	103	F 01 C	21/00			25/00
		35/00			37/00			13/00		F 03 C	2/00			17/00
		39/06	489-491	F 04 B	7/04			23/00			4/00		F 04 C	2/00
368-373	F 04 B	17/00			39/10	14	F 01 C	21/00		F 04 C	2/00			4/00
		35/00	492	F 04 B	7/06		F 03 C	2/00			15/00			15/00
		39/02			39/10			4/00			29/00			29/00
		39/06	493-499	F 04 B	7/04		F 04 C	2/00			2/00			2/00
374	F 04 B	9/14			39/10			15/00	104-111	F 01 C	19/00		F 16 N	13/20
		17/00	500	F 04 B	7/06			29/00		F 03 C	2/00	183-188	F 01 C	21/00
		35/00			39/10	15	F 01 C	2/00			4/00		F 04 C	15/00
375	F 04 B	17/00	501	F 04 B	7/04		F 03 C	4/00		F 04 C	2/00	189,190	F 01 C	21/00
		35/00			39/10			2/00			15/00		F 03 C	2/00
		47/08	502,503	F 04 B	23/00		F 04 C	2/00			27/00			4/00
376	F 04 B	17/00			41/00		F 16 N	13/20	112-129	F 01 C	19/02		F 04 C	2/00
377	F 04 B	17/00	504	F 04 B	49/00	16-32	F 01 C	21/16		F 03 C	2/00			15/00
		35/00	505,506	F 04 B	7/00		F 03 C	2/00			4/00			29/00
378	F 04 B	9/08			39/08			4/00		F 04 C	2/00	191-198	F 01 C	1/08
		35/02	507,508	F 04 B	7/02		F 04 C	2/00			15/00			1/24
379-382	F 04 B	17/00			39/08			15/04			27/00		F 03 C	2/00
		35/00	509	F 04 B	7/04			29/10	130-135	F 01 C	19/08			4/00
383	F 04 B	9/08			39/10	33-38	F 01 C	1/00			19/10		F 04 C	2/00
		35/02	510-520	F 04 B	7/00		F 03 C	2/00		F 03 C	2/00			18/00
384	F 04 B	9/12	521,522	F 04 B	23/04			4/00			4/00		F 16 N	13/20
		35/02			41/06		F 04 C	2/00		F 04 C	2/00	199,200	F 01 C	11/00
385-389	F 04 B	9/08	523-528	F 04 B	21/04			18/00			15/00		F 03 C	2/00
		35/02	529	F 04 B	21/04	39	F 01 C	13/00			27/00			4/00
390	F 04 B	9/08			23/04			21/00	136-149	F 01 C	19/00		F 04 C	2/00
		17/00	530	F 04 B	21/04		F 03 C	2/00		F 03 C	2/00			11/00
		35/00	531,532	F 04 B	21/02		F 04 C	2/00			4/00			23/00
391-393	F 04 B	17/00			39/10			15/00		F 04 C	2/00	201-203	F 01 C	1/16
		35/00	533	F 04 B	23/04			29/00			15/00			1/24

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 418—Con.			252	F 01 C	21/00	60	C 22 C	38/18	428	C 22 C	27/06	542,543	C 22 C	21/10
	F 03 C	2/00		F 03 C	2/00	61	C 22 C	38/22	429-431	C 22 C	27/04	544	C 22 C	21/06
	F 04 C	2/00		F 04 C	2/00	62	C 22 C	38/16	432	C 22 C	27/00			21/04
204	F 01 C	1/24				63	C 22 C	38/22			32/00	545	C 22 C	21/08
	F 03 C	2/00				64,65	C 22 C	38/18	433	C 22 C	28/00	546	C 22 C	21/06
	F 04 C	2/00				66	C 22 C	38/24	434	C 22 C	22/00			21/04
		18/00	253-269	F 01 C	1/00			38/26	435-440	C 22 C	19/07	547	C 22 C	21/08
		1/24		F 03 C	2/00	67	C 22 C	38/28	441	C 22 C	19/03	548	C 22 C	21/06
		2/00				68	C 22 C	38/22	442-454	C 22 C	19/05	549	C 22 C	21/02
		4/00		F 04 C	2/00	69	C 22 C	38/28	455-460	C 22 C	19/03	550-554	C 22 C	21/04
205,206	F 01 C	1/18						38/24	461-468	C 22 C	5/04	555,556	C 22 C	21/00
	F 03 C	2/00	270	F 01 C	21/00	70	C 22 C	38/26	469	C 22 C	9/00	557,558	C 22 C	28/00
	F 04 C	2/00		F 03 C	2/00			38/24	470	C 22 C	9/02	559	C 22 C	13/00
		4/00						38/28	471	C 22 C	9/01	560	C 22 C	13/02
		15/00		F 04 C	2/00	71	C 22 C	33/00			9/02	561,562	C 22 C	13/00
		29/00				72	C 22 C	38/04	472	C 22 C	9/02	563	C 22 C	11/00
						73	C 22 C	38/08	473	C 22 C	9/04	564,565	C 22 C	11/02
207	F 16 N	13/20				74	C 22 C	38/58			9/05	566,567	C 22 C	11/00
	F 01 C	1/00	U.S. Class 419			75	C 22 C	38/14	474	C 22 C	9/02	568	C 22 C	11/06
	F 03 C	2/00	POWDER METALLURGY - PROCESSES			76	C 22 C	38/16			9/08	569	C 22 C	11/06
	F 04 C	2/00				77,78	C 22 C	38/06	475	C 22 C	9/04			11/10
		18/00				79	C 22 C	38/18			9/08	570	C 22 C	11/06
208	F 01 C	1/00	1	B 22 F	1/04	80	C 22 C	38/08	476	C 22 C	9/02	571	C 22 C	11/06
	F 03 C	2/00		C 22 C	33/02	81	C 22 C	38/10			9/04			11/10
	F 04 C	2/00	2	B 22 F	5/00	82,83	C 22 C	38/12	477	C 22 C	9/04	572	C 22 C	11/08
		4/00	3	B 22 F	5/00	84-87	C 22 C	38/00	478	C 22 C	9/01	573	C 22 C	11/04
		11/00	4	B 22 F	7/00	88	C 22 C	38/60			9/04	574,575	C 22 C	11/00
		18/00	5-9	B 22 F	7/00	89	C 22 C	33/00	479	C 22 C	9/01	576,577	C 22 C	12/00
		23/00				90	C 22 C	38/16			9/04	578	C 22 C	29/00
209-214	F 01 C	11/00				91	C 22 C	38/20			9/06			35/00
	F 03 C	2/00				92,93	C 22 C	38/42	480	C 22 C	9/01	579	C 22 C	28/00
	F 04 C	2/00	10-26	B 22 F	32/00	94	C 22 C	38/16			9/04	580,581	C 22 C	30/00
		11/00		C 22 C	3/26	95	C 22 C	38/08			9/05	582	C 22 C	30/02
		23/00	27	B 22 F	3/24	96	C 22 C	38/10	481,482	C 22 C	9/06	583-586	C 22 C	30/00
215-219	F 01 C	1/00	28	B 22 F	1/00	97	C 22 C	38/12	483,484	C 22 C	9/04	587	C 22 C	30/02
	F 03 C	2/00	29	C 21 D	1/00	98	C 22 C	38/40	485	C 22 C	9/06	588	C 22 C	30/00
		4/00	30-43	B 22 F	1/02	99	C 22 C	38/08	486	C 22 C	9/01	589	C 22 C	30/04
	F 04 C	2/00	44,45	B 22 F		100	C 22 C	38/00			9/06	590	C 22 C	1/00
		18/00	46	B 22 F		101	C 22 C	38/18	487	C 22 C	9/05	591	C 22 C	
220	F 01 C	21/08		C 22 C	1/04	102	C 22 C	38/22			9/06	900	C 01 B	6/24
	F 03 C	2/00			1/06	103	C 22 C	38/30	488	C 22 C	9/06	901	C 22 C	
	F 04 C	2/00			33/02	104	C 22 C	38/06	489	C 22 C	9/00			12/00
		4/00	47-69	B 22 F		105,106	C 22 C	38/18			9/01	902,903	C 22 C	
		15/00				107	C 22 C	38/22	490	C 22 C	9/10			
221,222	F 01 C	1/00	U.S. Class 420			108	C 22 C	38/30	491	C 22 C	9/08			
	F 03 C	2/00	ALLOYS OR METALLIC COMPOSITIONS			109	C 22 C	38/40	492	C 22 C	9/00			
	F 04 C	2/00				110	C 22 C	38/46	493	C 22 C	9/05			
		18/00	1-7	C 22 C	43/00			38/50	494,495	C 22 C	9/00			
223,224	F 01 C	21/00	8-10	C 22 C	38/00	111	C 22 C	38/12	496	C 22 C	9/06			
	F 03 C	2/00	11,12	C 22 C	38/36	112	C 22 C	38/14	497-500	C 22 C	9/00			
	F 04 C	2/00	13	C 22 C	37/00	113	C 22 C	38/08	501	C 22 C	5/06			
		15/00	14	C 22 C	37/04	114	C 22 C	38/12	502,503	C 22 C	5/08			
		29/00	15	C 22 C	37/00	115,116	C 22 C	38/22	504	C 22 C	5/08			
225-234	F 01 C	1/00	16,17	C 22 C	37/06	117	C 22 C	38/00	505	C 22 C	5/06			
	F 03 C	2/00	18	C 22 C	37/08	118	C 22 C	38/18	506	C 22 C	5/10			
	F 04 C	2/00	19	C 22 C	33/10	119	C 22 C	38/02	507-512	C 22 C	5/02			
		18/00	20-25	C 22 C	33/12	120	C 22 C	38/14	513	C 22 C	18/00			
235	F 01 C	21/00	26,27	C 22 C	33/10	121	C 22 C	38/08	514	C 22 C	18/04			
	F 03 C	2/00	28	C 22 C	37/00	122-124	C 22 C	38/00	515-518	C 22 C	18/02			
	F 04 C	2/00	29-33	C 22 C	33/08	125,126	C 22 C	38/12	519,520	C 22 C	18/04			
		4/00	34,35	C 22 C	38/18	127	C 22 C	38/14	521,522	C 22 C	18/02			
		15/00	36-39	C 22 C	38/30	128	C 22 C	38/12	523,524	C 22 C	18/00			
236-238	F 01 C	1/00	40	C 22 C	38/52	129	C 22 C	38/00	525	C 22 C	20/00			
	F 03 C	2/00	41,42	C 22 C	38/18	130	C 22 C	33/00	526,527	C 22 C	7/00			
	F 04 C	2/00	43	C 22 C	38/60	131	C 22 C	24/00	528	C 22 C	21/00			
		4/00	44-48	C 22 C	38/40	132	C 22 C	25/00	529,530	C 22 C	21/12			
239	F 01 C	18/00	49	C 22 C	38/58	133	C 22 C	23/00	531	C 22 C	21/10			
	F 03 C	21/00	50	C 22 C	38/42	134	C 22 C	23/06			21/18			
	F 04 C	2/00	51	C 22 C	38/40	135	C 22 C	23/02	532	C 22 C	21/06			
		4/00	52	C 22 C	38/48	136	C 22 C	23/04			21/10			
240-251	F 01 C	1/00	53	C 22 C	38/50	137	C 22 C	23/02	533	C 22 C	21/06			
	F 03 C	2/00	54	C 22 C	38/44	138	C 22 C	23/04			21/16			
	F 04 C	2/00	55	C 22 C	38/44	139	C 22 C	23/00	534-536	C 22 C	21/08			
		18/00	56-59	C 22 C	38/50	140	C 22 C	24/00			21/16			
						141	C 22 C	28/00	537	C 22 C	21/04			
						142	C 22 C	14/00			21/14			
						143	C 22 C	16/00	538,539	C 22 C	21/12			
						144	C 22 C	27/00	540	C 22 C	21/10			
						145	C 22 C	27/02	541	C 22 C	21/06			
						146	C 22 C							
						147	C 22 C							
						148	C 22 C							
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						177	C 22 C							
						178	C 22 C							
						179	C 22 C							
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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 422—Con.				F 27 B	15/00	U.S. Class 423					7/00		C 01 G	37/00
			144,145	F 27 B	15/08	CHEMISTRY, INORGANIC			29-31	C 22 B	15/00	55,56	C 01 G	39/00
		1/36	146	F 27 B	15/14					B 01 D	11/00		C 01 G	41/00
49	B 01 J				15/16					B 01 F	1/00		C 01 G	37/00
50	G 01 N		147	F 27 B	15/08	1	C 01 B			C 01 G	3/00			39/00
51	G 01 N	25/20	148	C 01 C	1/00		C 01 C				5/00			41/00
52	G 01 N	21/76	149	B 01 J			C 01 D				7/00		C 22 B	34/30
53	G 01 N	17/00	150-158	C 09 C	1/00		C 01 F			C 22 B	11/08	57	C 01 G	37/08
54	G 01 N	27/00	159	G 21 C	1/00		C 01 G				15/00			39/00
55	G 01 N	21/00	160,161	C 01 B	17/48	2	C 01 F	13/00	32,33	B 01 D	11/00			41/00
56-60	G 01 N	21/00	162	C 01 B	6/00			15/00		B 01 F	1/00		C 22 B	34/30
		31/22	163	C 01 B				43/00		C 01 G	3/14	58	C 01 G	37/14
61	G 01 N		164,165	B 01 J	3/00			56/00			5/00			39/00
62-67	G 01 N	21/00			8/00			57/00			7/00			41/00
		31/00			15/00	3	C 01 G	56/00		C 22 B	11/00		C 22 B	34/30
		33/00			16/00			57/00			15/00	59,60	C 01 G	37/00
68	G 01 N				19/00	4-7	C 01 G	56/00	34	C 01 G	3/00			39/00
69	G 01 N	30/96	166,167	B 01 J	19/00			57/00			5/00			41/00
70	G 01 N	30/02	168	B 01 D	19/00			60/02		C 22 B	11/00	61	C 01 G	34/30
71	G 01 N	23/06			53/34	8-10	B 01 D	11/00	35	C 01 G	3/02			37/14
72	G 01 N	9/30		F 01 N	3/00		C 01 G	56/00			5/00			39/00
73	G 01 N	33/00		F 23 J	11/00			57/00			7/00		C 22 B	41/00
74	G 01 N	33/04	169-172	B 01 D	50/00		C 22 B	60/02		C 22 B	3/00	62	C 01 G	34/30
75	G 01 N	31/16	173-175	F 01 N	3/10	11,12	C 01 G	56/00		C 01 G	3/10			31/00
76,77	G 01 N	27/02	176	F 01 N	3/08			57/00	36		5/00			33/00
78-80	G 01 N	31/12	177-183	B 01 D	50/00		C 22 B	60/02			7/00		C 22 B	35/00
81,82	G 01 N	21/00			53/34	13	C 01 G	29/00		C 22 B	3/00	63	B 01 D	34/20
		31/00	184	B 09 B				56/00		C 01 G	3/12		C 01 G	11/00
		33/00	185	D 21 C	11/00			57/00	37		5/00			31/00
83	G 01 N	7/00	186	B 01 J	19/08		C 22 B	60/02			7/00			33/00
		21/00	186.01-186.3	B 01 J	19/08	14	C 01 F	17/00		C 22 B	3/00	64-67	C 01 G	35/00
		27/00			19/12		C 01 G	56/00		B 01 D	11/00			34/20
		31/00	187	B 01 J	8/00			57/00	38-40	B 01 F	1/00			31/00
		33/00			10/00		C 22 B	60/02		C 01 G	3/04			33/00
84,85	G 01 N	1/22	188,189	B 01 J	8/04	15	C 01 F	15/00			5/00		C 22 B	35/00
		31/00			10/00		C 01 G	43/00		C 22 B	11/06	68	B 01 D	34/20
86,87	G 01 J	1/48	190	B 01 J	8/04	16	C 01 G	1/02			7/00		B 01 F	11/00
88	G 01 N	30/96	191-197	B 01 J	8/04			43/025		C 22 B	15/00		C 01 G	31/00
89	G 01 N	30/02			10/00	17,18	B 01 D	11/00	41	B 01 D	11/00			33/00
90	G 01 N	27/04	198,199	F 28 D	7/00		B 01 F	1/00		B 01 F	1/00			35/00
91	G 01 N	17/00	200,201	F 28 D	21/00		C 01 G	43/00		C 01 G	3/10		C 22 B	34/20
92	G 01 N	7/00	202-208	F 28 D	8/08			56/00			5/00	69	C 01 G	23/00
93	G 01 N	31/12	209,210	B 01 J	8/02			57/00			7/00			25/00
94	G 01 N	27/16	211,212	B 01 J	35/02	19	C 22 B	60/02		C 22 B	11/00			27/00
95-97	G 01 N	27/00			8/08		C 01 G	43/00			15/00		C 22 B	34/10
98	G 01 N	3/00	213-217	B 01 J	8/02			56/00	42,43	C 01 G	3/00	70	B 01 D	11/00
99	B 01 L	3/02	218	B 01 J	35/02		C 22 B	60/02			5/00		C 01 G	23/00
100	B 01 L	11/00			8/08	20	B 01 D	11/00		C 22 B	7/00			25/00
101	B 01 L	3/00	219	B 01 J	8/02		B 01 F	1/00			3/00			27/00
102	B 01 L	11/00	220-222	B 01 J	35/02		C 01 G	43/00		C 22 B	11/00		C 22 B	34/10
103	B 01 L	9/00			23/90			56/00	44	C 01 G	3/00	71	C 01 G	23/00
104	G 05 B	1/00	223	B 01 F			B 01 F	57/00			5/00			25/00
105	G 05 D	9/00	224-231	B 01 J	8/08		C 22 B	60/02			7/00			27/00
			232,233	B 01 J	8/00	21,1,21.5	C 01 F	17/00		C 22 B	11/00		C 22 B	34/10
106	G 05 D	23/00	234	F 28 D	7/00	22	C 01 G	55/00			15/00	72	C 01 G	23/02
107,108	G 05 D	7/00	235	B 01 J	19/00		C 22 B	11/00	45	C 01 G	3/10			25/04
109	G 05 D	16/00	236-239	B 01 J	3/00	23	C 01 G	5/00			7/00			27/04
110,111	G 05 D	31/00	240,241	B 01 J	5/00			7/00		C 22 B	11/00	73-81	C 01 G	34/10
112,113	F 16 K		242	B 01 D	5/00		C 22 B	11/00			15/00			25/00
114	G 05 B		243	B 01 D	9/00	24	B 01 D	11/00	46	C 01 G	3/04			27/00
	G 05 D		244	B 01 D	11/04			15/04			5/00		C 22 B	34/10
115	F 16 K	17/00	245-254	B 01 D	11/02		C 01 G	3/00		C 22 B	11/06	82,83	C 01 G	23/02
	G 05 D	7/00	255	B 01 D	12/00			5/00	47	C 01 G	3/00			25/06
116	G 05 B	17/00	256-260	B 01 D	15/00		C 22 B	11/00			5/00		C 22 B	27/04
117	G 05 B	9/00	261-284	B 01 D	1/00	25	B 01 D	15/00		C 22 B	7/00	84,85	C 01 G	34/10
118	G 05 B	11/26			3/00		B 03 C	1/00			11/00			25/00
119	G 01 D	1/00	285-290	B 01 D	17/00		C 01 G	3/00	48	C 01 G	3/12		C 22 B	34/10
	G 05 B				19/00			5/00			5/00	86	B 01 D	11/02
	G 05 D		291	B 01 J	9/00			7/00		C 22 B	11/00		C 01 G	23/00
120-126	A 62 B	7/08	292-304	A 61 L	9/00		C 22 B	11/00			15/00			25/00
127,128	B 06 B	10/00			7/00			15/00			15/00			27/00
129	B 01 J	10/02	305,306	A 61 L	9/00		C 22 B	11/00		C 22 B	11/00			29/00
		12/00		B 01 J	7/00			15/00	49-52	C 01 G	45/00	87,88	C 01 G	30/00
		12/02	307-309	B 01 B		26	B 03 D	1/00			47/00			34/10
		14/00		B 01 D			C 01 G	3/00			57/00			28/00
		15/00		B 01 J				5/00		C 22 B	47/00			29/00
		16/00	310	B 01 J	19/30			7/00			61/00		C 22 B	30/00
		19/00			19/32		C 22 B	11/00			37/00	89	C 01 G	17/00
129.1	C 11 D	13/00	311-900	B 01 J		27,28	B 01 D	15/00	53	C 01 G	39/00			19/00
		15/02	901,902	B 01 D			B 01 F	1/00			41/00			21/00
130	B 01 J	19/00	903	G 21 F			C 01 G	3/00		C 22 B	34/30		C 22 B	13/00
131-138	C 08 F			G 21 G				5/00	54	B 01 D	11/00			25/00
139-143	B 01 J	8/18		G 21 K										

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 423—Con.			C 01 G		9/00			7/44			53/12			11/18
		11/00			11/00			7/46		C 22 B	1/00		C 22 B	26/20
		13/00			13/00		C 01 G	15/00			23/00	166	C 01 F	1/00
90	C 01 G	17/00		C 22 B	3/00		C 22 B	21/00	145		1/00			5/40
		19/00			17/00			35/00		C 01 G	49/14			11/46
		21/00			43/00			58/00			51/10		C 22 B	26/20
	C 22 B	13/00	110		9/00			61/00			51/12	167,168	C 01 F	1/00
		25/06			11/00	128	C 01 F	1/00			53/10			5/00
		41/00			13/00			3/00			53/12			11/00
91	C 01 G	17/04		C 22 B	17/00			7/74		C 22 B	1/00		C 22 B	26/20
		19/04			19/00		C 01 G	15/00			23/00	169	C 01 F	1/00
		21/16			43/00		C 22 B	21/00	146	C 01 G	1/00			5/16
	C 22 B	13/00	111		1/00			35/00			49/14			11/00
		25/00			3/00			58/00			51/10		C 22 B	26/20
92,93	C 01 G	41/00			7/00			61/00			53/10	170	C 01 F	1/00
		17/00		C 01 G	15/00	129,130	C 01 F	1/00		C 22 B	1/00			5/12
		19/00		C 22 B	21/00			3/00			23/00			11/08
		21/00			35/00			7/00	147	C 01 G	1/00		C 22 B	26/20
	C 22 B	13/08			58/00		C 01 G	15/00			49/02	171,172	C 04 B	11/02
		25/00			61/00		C 22 B	21/00			49/10	173-177	C 01 F	1/00
		41/00	112	B 01 D	11/00			35/00			49/14			5/06
94	C 01 G	17/04		C 01 F	1/00			58/00			51/04			11/06
		19/04			3/00			61/00			51/08		C 22 B	26/20
		21/16			7/00	131,132	B 01 D	11/00			51/10	178	C 01 F	1/00
	C 22 B	13/00		C 01 G	15/00		B 01 F	1/00			53/04			5/10
		25/00		C 22 B	21/00		C 01 F	1/00			53/08			5/12
		41/00			35/00			3/00			53/10			11/00
95	C 01 G	17/00			58/00			7/20		C 22 B	1/00		C 22 B	26/20
		19/00			61/00		C 01 G	15/00			23/00	179	C 01 D	
		21/18	113	B 03 C	1/00		C 22 B	21/00	148,149	C 01 G	1/00	179.5	C 01 D	15/00
	C 22 B	13/00		C 01 F	1/00			35/00			49/00	180	C 01 D	
		25/00			3/00			58/00			51/00	181	B 01 D	11/00
		41/00			7/00			61/00			53/00		C 01 D	
96,97	C 01 G	17/00		C 01 G	15/00	133	C 01 F	1/00		C 22 B	1/00		C 22 B	26/10
		19/00		C 22 B	21/00			3/00			23/00	182,183	C 01 D	3/06
		21/00			35/00			7/00	150	B 01 D	11/00		C 22 B	26/10
	C 22 B	13/00			58/00		C 01 G	15/00		B 01 F	1/00	184	C 01 D	1/32
		25/00			61/00		C 22 B	21/00		C 01 G	49/00			3/16
		41/00	114-117	C 01 F	1/00			35/00			51/00			7/26
98	B 01 D	11/00			3/00			58/00			53/00		C 22 B	26/10
	B 01 F	1/00			7/00			61/00		C 22 B	1/00	185-198	C 01 D	1/32
	C 01 G	17/00		C 01 G	15/00	134	C 01 F	3/00			23/00			3/16
		19/00		C 22 B	21/00	135,136	C 01 F	7/00	151,152	C 01 G	1/00			7/26
		21/00			35/00		C 01 G	15/00			49/08		C 22 B	26/10
	C 22 B	13/00			58/00		C 22 B	21/00			51/00	199	C 01 D	1/32
		25/00			61/00			58/00			53/00			3/16
99	C 01 G	41/00	118	C 01 B	33/26			61/00		C 22 B	1/00			7/26
		9/00		C 01 F	1/00	137	C 01 F	1/00			23/00		C 22 B	26/10
		11/00	119-121	C 01 F	1/00			3/00	153,154	C 01 G	1/00	200,201	C 01 D	
		13/00			7/04			7/00			49/00		C 22 B	26/10
	C 22 B	17/00			7/06		C 01 G	15/00			51/00	202	B 01 D	11/00
		19/00			7/08		C 22 B	21/02			53/00		C 01 D	
		43/00			7/10			35/00		C 22 B	1/00		C 22 B	26/10
100	B 03 C	1/00			7/12			58/00			23/00	203-207	C 01 D	
	C 01 G	9/00	122-124	C 01 F	1/00			61/00		C 01 F	1/00		C 22 B	26/10
		11/00			3/00	138	C 01 G	1/00			5/00	208	B 01 D	11/00
		13/00			7/00			49/00			11/00		C 01 D	
	C 22 B	17/00		C 01 G	15/00			51/00		C 22 B	26/20		C 22 B	26/10
		19/00		C 22 B	21/00			53/00	156	B 03 C	1/00	209	C 01 D	7/00
		43/00			35/00		C 22 B	1/00		C 01 F	1/00		C 22 B	26/10
101,102	C 01 G	9/00			58/00			23/00			5/00	210	B 01 D	47/00
		11/00			61/00	139	B 01 D	11/00			11/00		B 01 J	8/00
		13/00	125	C 01 F	1/00		C 01 G	1/00		C 22 B	26/20		C 01 B	
	C 22 B	17/00			3/00			49/00	157	B 01 D	11/00	210.5	B 01 D	47/00
		19/00			7/66			51/00		C 01 F	1/00		C 01 B	
		43/00		C 01 G	15/00			53/00			5/00	212	B 01 D	47/00
103	C 01 G	9/04		C 22 B	21/00		C 22 B	1/00			11/00			53/34
		11/00			35/00			23/00	158-161	C 22 B	26/20			53/36
		13/04			58/00	140-142	C 01 G	1/00		C 01 F	1/00		B 01 J	8/00
	C 22 B	17/00			61/00			49/00			5/00		C 01 B	
		19/00	126	C 01 F	1/00			51/00			11/00	213.2-213.7	B 01 J	8/02
		43/00			3/00		C 22 B	53/00		C 22 B	26/20		C 01 B	21/00
104-106	C 01 G	9/00			7/48			1/00	162	C 01 F	1/00			23/00
		11/00		C 01 G	15/00			23/00			5/38			25/00
		13/00		C 22 B	21/00	143	C 01 G	1/00			11/36			31/00
	C 22 B	17/00			35/00			49/00		C 22 B	26/20			33/00
		19/00			58/00			51/12	163	C 01 F	1/00			35/00
		43/00			61/00			53/12			5/26		C 01 G	28/00
107,108	C 01 G	9/00	127	C 01 F	1/00		C 22 B	1/00			11/20			30/00
		11/00			3/00			23/00		C 22 B	26/20	215.5	B 01 D	45/00
		13/00			7/14	144	C 01 G	1/00	164	C 01 F	1/00			46/00
	C 22 B	17/00			7/20			49/02			5/14			47/00
		19/04			7/30			51/04			11/02			53/00
		43/00			7/34			51/06		C 22 B	26/20			57/00
109	B 01 D	11/00			7/38			51/12	165	C 01 F	1/00		B 03 C	3/00
	B 01 F	1/00			7/42			53/04			5/24	219	C 01 B	13/00

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U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 423—Con.																	
220-234	C 01 B	17/16	345,346	C 01 B	31/36	433-436	C 01 G	11/18	523	C 01 B	17/82	609	C 01 G	23/04			
		31/20	347	C 01 B	33/04	437,438	C 01 B	21/14	524	C 01 B	17/84	610-616	C 01 G	23/047			
235	C 01 B	21/00	348-350	C 01 B	33/02	439	C 01 B	31/20	525-530	C 01 B	17/74	617	C 01 G	28/00			
236-238	C 01 C	3/00	351	C 01 B	21/00	440	C 01 B	31/30	531	C 01 B	17/90			30/00			
239	B 01 J	8/00	352	C 01 C	1/00	441,442	C 01 B	31/34	532-538	C 01 B	17/74	618	C 01 G	17/02			
	C 01 B	21/00	353-357	C 01 C	1/02	443,444	C 01 B	31/32	539	C 01 B	17/48			19/02			
240,241	C 01 B	7/00	358	C 01 C	1/08	445	C 01 B	31/26	540,541	C 01 B	17/50	619-621	C 01 G	21/02			
242,243	C 01 B	17/00	359-363	C 01 C	1/04			31/00	542	C 01 B	17/52	622,623	C 01 G	9/02			
244	B 01 J	8/00	364	C 01 B	21/06	446	B 01 J	3/06	543	C 01 B	17/54	624	C 01 F	3/00			
	C 01 B	17/00	365	C 01 B	21/12			3/08	544	C 01 B	17/96			15/00			
245.1-245.3	B 01 J	8/00	366	C 01 C	3/14	447.1,447.2	C 01 B	31/06	545	C 01 C	1/24	625-631	C 01 F	7/02			
	C 07 C	11/24		C 01 B	21/093	447.3	D 01 F	9/12	546	C 01 C	1/245	632-634	C 01 G	49/02			
246	C 01 B	31/18	367	C 01 C	3/20	447.4-447.8	D 01 F	5/00	547	C 01 C	1/244	635	C 01 F	5/02			
	C 10 K	1/00	368	C 01 C	3/12	447.9	D 01 F	9/12	548	C 01 C	1/242			5/14			
247	B 01 J	8/00	369	C 01 C	3/16	448	D 01 F	9/16	549,550	C 01 C	1/240	636-640	C 01 B	13/14			
	C 01 B	31/18		C 07 C	249/00	449-459	C 01 B	31/04	551-553	C 01 D	5/00			5/02			
	C 10 K	1/20			251/00	460	C 01 B	31/02			5/42			5/14			
		1/32			257/00	461	C 09 C	1/48	554	C 01 F	11/46	641,642	C 01 D	1/00			
		1/34			263/00	462	C 09 C	1/56	555	C 01 F	11/46			15/02			
248	C 01 B	3/00			265/00	463	C 01 B	31/02	556	C 01 F	7/74			17/00			
249	C 01 F	13/00			267/00	464	C 01 B	7/00	557	C 01 G	3/10	643	C 01 D	1/24			
		15/00			291/00	465	C 01 B	9/00	558	C 01 G	49/00			1/26			
	C 01 G	43/00	370	C	3/16	466	C 01 B	9/08	559	C 01 G	21/20			15/02			
		56/00	371	C 01 C	3/08	467-469	C 01 F	7/50	560	C 01 B	17/32			17/00			
		57/00	372-377	C 01 C	3/02		C 01 B	7/24			17/42	644	C 01 B	6/24			
250,251	C 01 G	56/00	378-382	C 01 C	3/08		C 01 B	17/45				645	C 01 B	6/00			
252	C 01 F	15/00	383	C 01 B	21/088	470,471	C 01 C	17/46	561.1	C 01 F		646,647	C 01 B	6/04			
253-256	C 01 G	43/00	384	C 01 C	3/00	472	C 01 B	11/00	562	C 01 B	17/18	647.7	C 01 B	4/00			
257	C 01 G	43/08	385	C 01 B	21/20	473,474	C 01 B	11/04			17/34	648.1,649	C 01 B	3/02			
258,259	C 01 G	43/06	386	C 01 B	21/083	475	C 01 B	11/12			17/42	650	C 01 B	3/24			
260	C 01 G	43/01			21/088	476	C 01 B	11/16				651-654	C 01 B	3/26			
261	C 01 G	43/025			21/20	477-480	C 01 B	11/02	563,564	C 01 B	17/16	655	C 01 B	3/12			
262	C 01 B	23/00	387	C 01 B	21/20	481,482	C 01 B	7/01	565,566	C 01 B	17/00	656	C 01 B	3/16			
263	C 01 F	17/00	388,389	C 01 B	21/093	483-485	C 01 B	7/19				657,658	C 01 B	3/08			
264-269	C 01 B				21/20	486,487	C 01 B	7/01				658.2	C 01 B	3/04			
	C 01 C		390	C 01 B	21/38	488	C 01 B	7/07	566.1	C 01 G	9/08			3/08			
	C 01 F				21/44	489	C 01 B	9/08			11/02	658.3	C 01 B	3/50			
270,271	C 01 B	17/69	391	C 01 B	21/42	490	C 01 D	3/02			13/00	658.5	B 01 D	11/00			
		17/70			21/44		C 01 F	5/28	566.2	C 01 B	17/22			1/00			
272,273	C 01 B	15/037			21/46			11/22	566.3	C 01 B	17/42	659	C 01 B				
274,275	C 01 B		392	C 01 B	21/38	491	C 01 B	9/00	567	C 01 B	17/00						
	C 01 C				21/44	492-494	C 01 G		568-577	C 01 B	17/02						
	C 01 D				21/46	495,496	C 01 F	3/00	578	C 01 B	17/027						
	C 01 F		393,394	C 01 B	21/40			7/48	579	C 01 B	13/00						
276	C 01 B	35/00			21/44		C 01 G	15/00	580	C 01 B	5/00						
277,278	C 01 B	35/10			21/46	497	C 01 F	5/26	581	C 01 B	13/10						
279-282	C 01 B	15/12	395	C 01 B	21/48			11/20			15/00						
		35/12			9/00	498	C 01 F	5/32	582	C 01 B	15/00						
283	C 01 B	35/10			15/10			5/34	583	C 01 B	15/04						
284,285	C 01 B	35/14		C 01 F	5/38	499	C 01 D	3/00	584	C 01 B	15/01						
286-288	C 01 B	6/13			7/66			15/04	585	C 01 B	15/03						
		35/00			11/36			17/00	586	C 01 B	15/032						
289	C 01 B	25/08	396	C 01 C	1/18	500-507	C 01 B	7/00	587	C 01 B	15/022						
		35/02	397,398	C 01 B	21/48	508	C 01 B	19/00	588-590	C 01 B	15/023	1.1	A 61 K	43/00			
290	C 01 B	21/064		C 01 D	9/00			25/14	591	C 01 B	15/024			36/14			
291	C 01 B	31/36			15/10	509	C 01 B	19/04			15/026	2	G 01 N	1/00			
292,293	C 01 B	35/06		C 01 F	5/38	510	C 01 B	19/02	592	C 01 B	13/14			33/48			
294-296	C 01 B	6/10			7/66	511	C 01 B	17/00			1/00	3	G 01 N	1/30			
297	C 01 B	35/04			11/36	512	C 01 B	17/45						31/00			
298	C 01 B	35/02	399	C 01 B	21/48			17/46						33/48			
299	C 01 B	25/00	400-402	C 01 B	21/22			17/62	593	C 01 F				49/04			
300,301	C 01 B	25/10			21/24			17/98				4.5	A 61 K	9/20			
302	C 01 B	21/06	403,404	C 01 B	21/26	513	C 01 B	15/06	594	C 01 G	49/00	6	A 61 K	49/00			
		25/00	405	C 01 B	21/24			15/08			51/00	7.1	A 61 K	25/18			
303	C 01 B	25/14	406	C 01 B	21/06	514	C 01 B	17/64			53/00			33/15			
304	C 01 B	25/12	407,408	C 01 B	21/16	515,516	C 01 B	17/66	595-597	C 01 G	37/14	9	A 61 K	49/00			
305-315	C 01 B	15/16	409	C 01 B	21/06	517	C 01 B	17/46	598	C 01 G	23/00			31/00			
		25/26	410	C 01 B	21/08		C 01 D	5/08	599	C 01 G	45/12			33/48			
316-321	C 01 B	25/16	411	C 01 B	21/076	518	C 01 D	5/10	600	C 01 F	7/02	10	A 61 K	49/00			
322,323	C 01 B	25/01	412	C 01 B	21/072		C 01 F	7/76			7/04			33/15			
		25/02	413	C 01 B	21/00		C 01 G	37/10			7/16	11	G 01 N	31/00			
		25/04	414,415	C 01 B	31/00	519	C 01 B	17/62	601-603	C 01 G	28/02			33/48			
324	C 01 B	33/00	416-418	C 01 G	1/04		C 01 C	1/22	604	C 01 G	3/02	40	A 01 N	25/06			
325	C 01 B	15/14	419	C 01 B	31/24		C 01 D	5/14			5/00			25/18			
		33/20	420	C 01 C	1/26		C 01 F				7/00			25/20			
326	C 01 B	33/20	421-424	C 01 D	7/00		C 01 G		605	C 01 G	45/02			9/72			
327	C 01 B	33/26			15/08	520	C 01 B	17/96			47/00			9/02			
328-330	C 01 B	33/34			17/00		C 01 C	1/24			57/00	41,42	A 01 N	25/18			
331	C 01 B	33/24	425	C 01 D	7/14		C 01 D	5/02	606	C 01 G	39/00			25/20			
332-334	C 01 B	33/32	426	C 01 D	7/00		C 01 F				41/00			9/02			
335-340	C 01 B	33/12	427	C 01 D	7/37		C 01 G		607	C 01 G	37/02	43	A 01 N	25/02			
341-343	C 01 B	33/08	428,429	C 01 D	7/00	521	C 01 B	17/98	608	C 01 G	25/02			9/00			
344	C 01 B	21/068	430-432	C 01 F	5/24	522	C 01 B	17/69			27/02			9/04			

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 424—Con.			A 61 K	35/12	483-489	A 61 K	9/14	15/00			25/12			
		35/56			490-498	A 61 K	9/16	31/04	B 29 C	A 21 C	9/04			
44,45	A 61 L	9/04	96	A 61 K	35/38		9/50	35/00		A 23 G	1/20			
46	A 61 K	9/14	97	A 61 K	35/54	499-502	A 61 K	9/50	B 29 D		1/22			
	A 61 L	9/04	98	A 61 K	35/58	600	A 01 N	59/00			3/12			
47	A 61 K	7/00	99,100	A 61 K	35/22		A 61 K	33/00	28.1,29	B 29 D	3/16			
		9/00	101	A 61 K	35/14	601-606	A 01 N	59/26	30-50	B 29 C	3/18			
48	A 61 K	9/68	102	A 61 K	35/64		A 61 K	33/42		B 29 D	29/00	A 23 P	1/00	
49	A 61 K	7/16	103	A 61 K	35/12	607-612	A 01 N	59/24	51-58.1	B 29 D	29/00	A 47 J	43/20	
50	A 61 K	7/28	104	A 61 K	35/38		A 61 K	33/00	59	B 28 B	1/00	B 28 B	7/38	
51	A 61 K	7/16	105	A 61 K	35/48	613-616	A 01 N	39/00			17/00		21/00	
52	A 61 K	7/18	106	A 61 K	35/407		A 61 K	33/40		B 29 C		B 29 C	47/02	
53	A 61 K	7/20			35/413	617	A 01 N	59/16	60-62	B 28 B	1/00		47/04	
54	A 61 K	7/22	107	A 61 K	35/407		A 61 K	33/24			17/00		47/06	
55	A 61 K	7/24	108,109	A 61 K	35/55	618,619	A 01 N	59/16		E 01 D			63/00	
56,57	A 61 K	7/16	110	A 61 K	35/39		A 61 K	33/38	63-65	E 02 D	5/36	107	B 21 B	21/00
58	A 61 K	7/26	111-113	A 61 K	35/55	620,621	A 01 N	59/22		B 28 B	1/00		B 28 B	17/00
59	A 61 K	7/42	114-124	A 61 K	35/00		A 61 K	33/36			17/00		B 29 C	47/94
60	A 61 K	7/44	125	A 01 N	59/00	622-628	A 01 N	59/22		B 29 C	31/04		B 29 D	
61	A 61 K	7/04		A 61 K	33/44	629	A 01 N	59/22		E 01 C		108	B 28 B	23/00
62	A 61 K	7/135	126	A 01 N	25/00		A 61 K	33/36		E 02 D			B 29 C	53/36
63	A 61 K	7/021		A 61 K	47/00	630-638	A 01 N	59/20		E 04 G	21/06			53/56
64	A 61 K	7/025	195.1-197.1	A 01 N	65/00		A 61 K	33/34	66	B 29 C	47/34	110-126.2	A 23 G	1/22
65	A 61 K	7/32		A 61 K	35/78	639-643	A 01 N	59/16			55/00			3/12
66	A 61 K	7/34	400	A 61 K	9/00		A 61 K	33/32		B 29 D	31/00			3/16
67	A 61 K	7/36	401	A 61 K	6/00	644,645	A 01 N	59/18		D 01 D	5/00		A 23 P	1/00
68	A 61 K	7/38			7/00		A 61 K	33/28	67-70	B 29 D	31/00		B 21 C	3/00
69	A 61 K	7/035	402-404	A 01 N	25/34	646-648	A 01 N	59/16		D 01 D	5/00		B 23 B	3/10
70	A 61 K	7/06	405	A 01 N	25/00		A 61 K	33/26	71-72.2	B 28 B	5/00			19/00
71	A 61 K	7/09	406	A 01 N	25/32	649	A 61 K	33/24	73	A 01 J	21/00			23/00
		7/11	407	A 01 N	25/24	650-656	A 01 N	59/16			25/12	127,128	A 23 G	3/12
72	A 61 K	7/09	408	A 01 N	25/34		A 61 K	33/24		A 21 C	3/00			3/16
73	A 61 K	7/15	409,410	A 01 N	25/08	657-660	A 01 N	59/14			11/00		A 23 P	1/00
74	A 61 K	7/06	411-416	A 01 N	25/34		A 61 K	33/22		A 23 G	1/20		B 21 C	3/00
75	A 01 N	1/00	417-421	A 01 N	25/26	661-665	A 01 N	59/08			1/22		B 23 B	3/10
76.1	A 61 L	9/00			25/28		A 61 K	33/14			3/12			19/00
		9/01	422	A 61 F	13/00	666	A 01 N	59/00			3/16			23/00
76.2	A 61 L	9/015	423-428	A 61 F	2/00		A 61 K	33/18			3/18	129.1,129.2	A 23 G	1/20
		9/02	429	A 61 K	9/00	667-672	A 01 N	59/22		A 23 P	1/00			1/22
		9/14	430	A 61 F	6/06		A 61 K	33/36		B 28 B	17/00			3/12
76.21	A 61 L	9/00	431	A 61 F	13/02	673-676	A 01 N	59/10		B 29 C		130-134	A 21 C	3/00
	B 01 D	53/34	432	A 61 F	6/14		A 61 K	33/14		B 29 D				11/00
76.3,76.4	A 61 L	9/04	433-435	A 61 F	13/00	677-681	A 01 N	59/08	74	A 01 J	21/00		A 23 G	1/20
76.5-76.7	A 61 L	11/00	436,437	A 61 F	9/02		A 61 K	33/14			25/12			1/22
76.8,76.9	A 61 L	9/01	438	A 23 K	1/18	682	A 01 N	59/06		A 21 C	3/00			3/12
77	A 01 N	25/24	439	A 61 K	47/00	683	A 01 N	59/06			11/00			3/16
	D 21 H	11/00	440	A 61 K	9/68		A 61 K	33/12		A 23 G	1/20			3/18
		13/00	441	A 61 K	9/28	684,685	A 01 N	59/06			1/22		A 23 P	1/00
		15/00			9/68		A 61 K	33/06			3/12		B 28 B	13/00
		17/00	442	A 23 K	1/165	686,687	A 01 N	59/06			3/16		B 29 C	31/10
		19/00			1/17		A 61 K	33/10			3/18			47/00
		21/00	443	A 61 F	13/00		A 01 N	59/06		A 23 P	1/00			47/02
		23/00		A 61 K	9/70	688-694	A 61 K	33/08		B 28 B	17/00			47/04
		25/00	444	A 61 L	15/16		A 01 N	59/06		B 29 D				47/06
		27/00	445	A 61 L	15/00	695-698	A 61 K	33/06	75	A 01 J	21/00			51/02
78,79	A 61 K	31/74	446,447	A 61 L	15/16		A 01 N	59/04			25/12	135,136	B 28 B	17/00
80	A 61 K	31/79	448	A 61 F	13/02	699-701	A 61 K	33/02		A 21 C	3/00		B 29 B	13/00
81	A 61 K	31/78		A 61 L	15/16	702-714	A 01 N	59/02		A 23 G	1/20			15/00
82	A 61 K	31/765	449	A 61 F	13/00		A 61 K	33/04			1/22		B 29 C	35/08
		31/775		A 61 K	9/70	715-718	A 01 N	59/00			3/12			35/12
83	A 61 K	31/745	450	A 61 K	37/22		A 61 K	33/00			3/16			47/06
84	A 01 N	25/00	451-454	A 61 K	9/48	719-721	A 01 N	59/00			3/18			47/92
85.1,85.2	A 61 K	45/05	455	A 61 K	9/66		A 61 K	33/02			1/00			47/95
85.4-85.7	A 61 K	37/66	456	A 61 K	9/64	722-724	A 01 N	59/00		A 23 P		137-174.8	B 28 B	17/00
85.8-85.91	A 61 K	39/00	457	A 61 K	9/52		A 61 K	33/00		B 29 C	17/00		B 29 B	13/00
86	A 61 K	39/42	458	A 61 K	9/54					B 29 D				15/00
87	A 61 K	39/40	459	A 61 K	9/56					B 29 D			B 29 C	35/08
88	A 61 K	39/00			9/60					D 01 D	5/20			35/12
89	A 61 K	39/12	460	A 61 K	9/64					B 28 B	3/00			47/92
90	A 61 K	41/00	461	A 61 K	9/62					B 29 C	43/00			47/96
91	A 61 K	39/36	462	A 61 K	9/58					B 22 F	3/00			
92	A 61 K	39/02	463	A 61 K	9/48					B 22 F	3/18	175-180	B 28 B	1/00
93	A 01 N	63/00	464,465	A 61 K	9/20					B 28 B	5/00	181-196	A 01 J	21/00
	A 61 K	37/00	466	A 61 K	9/46	1	B 22 F	3/08		B 29 D	7/00			25/00
94.1	A 61 K	37/48	467	A 61 K	9/44	2	B 28 B	1/00	81.1,82.1	B 28 B			A 21 C	3/00
94.2-94.3	A 61 K	37/62	468	A 61 K	9/22	3	B 28 B	1/00		B 29 C	33/00			11/00
94.4	A 61 K	37/50	469,470	A 61 K	9/26			17/00	83.1	B 28 B	5/00		A 23 G	1/20
94.5	A 61 K	37/52	471-473	A 61 K	9/24	4	B 28 B	1/50		B 29 D	7/00			1/22
		37/56	474	A 61 K	9/28	5	B 28 B	1/54	84-86	B 28 B	1/26			3/00
		37/58	475	A 61 K	9/30	6-10	B 22 D	11/01			21/08		A 23 P	1/00
		37/60	476	A 61 K	9/42		B 22 F	9/00			21/36		B 28 B	17/00
94.6-94.63	A 61 K	37/54	477	A 61 K	9/38		B 28 B	1/54		B 28 B	3/00		B 29 C	47/00
94.64	A 61 K	37/547	478	A 61 K	9/40			17/00	87	B 28 B	15/00	197-209	A 01 J	17/00
		37/553	479,480	A 61 K	9/36		B 29 B	9/00	88	B 29 C			A 21 C	1/00
94.65-94.67	A 61 K	37/54	481	A 61 K	9/34		B 29 C	67/02	89	B 28 B	7/36			7/00
95	A 01 N	63/02	482	A 61 K	9/32	11-27	B 29 B	9/00	90-106	A 01 J	21/00		A 23 G	1/10

U.S. Class 425

PLASTIC ARTICLE OR EARTHENWARE SHAPING OR TREATING: APPARATUS

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 425—Con.														
		1/12	287,288	B 29 C	45/40		B 29 D			A 21 C	3/04			25/12
		3/14		A 21 C	3/04	338,339	A 01 J	21/00			11/16		A 21 C	3/00
		9/00			11/16			25/12		A 23 G	1/20		A 23 G	1/00
		17/02	289	A 01 J	21/02		A 21 C	3/00			3/12			3/00
		43/04			25/12			11/00			3/18		A 23 P	1/00
	A 23 P	1/00		A 21 C	11/10		A 23 G	1/20		B 28 B	13/00		B 28 B	1/00
	A 47 J	43/04			11/12			1/22			21/52			21/00
	B 28 B	17/02		A 23 G	1/20			3/00		B 29 C	47/00	436-444	A 01 J	21/00
	B 29 B	7/00			3/00		A 23 P	1/00	383,384	A 01 J	25/12			25/12
		13/00		A 23 P	1/00		B 28 B	3/02		A 21 C	3/00		A 21 C	3/00
	B 29 C	47/36		B 28 B	7/14			21/00			11/00			11/00
210-221	A 01 J	21/00			11/12		B 29 B	11/06		A 23 G	1/20		A 23 G	1/20
		25/12	290,291	A 21 C	11/14	340-343	A 01 J	21/00			3/00			3/00
	A 21 C	3/00			11/10			25/12		A 23 P	1/00		A 23 P	1/00
		11/00			11/12		A 21 C	3/00		B 28 B	11/08		B 28 B	1/00
	A 23 G	1/20		B 28 B	1/48			11/00			21/96			3/00
		1/22	292-316	A 01 J	21/02		A 23 G	1/20			21/98			5/00
		3/00			25/12			1/22		B 29 B	15/00			7/10
	A 23 P	1/00		A 21 C	11/10		A 23 P	3/00		B 29 C	35/00			13/00
	B 28 B	5/00			11/12		B 28 B	11/08			35/02			21/00
		17/00		A 23 G	1/20			21/70	385,386	B 29 D			B 29 C	45/40
		17/04			3/00			21/92		A 01 J	21/00	445-449	B 29 D	
		21/00		A 23 P	1/00		B 29 B	11/06		A 21 C	3/00		A 01 J	21/00
	B 29 B	7/66		B 28 B	7/14		B 29 C	31/00			11/02			25/12
		17/02			11/12		B 29 D			A 23 G	1/20		A 21 C	3/00
	B 29 C	37/02			11/14	344-362	A 01 J	21/00			3/00		A 23 G	1/20
		47/92	317	B 29 C	59/00			25/12		A 23 P	1/00			3/00
222	B 22 F	3/00		A 01 J			A 21 C	3/00		B 28 B	11/08		A 23 P	1/00
		5/00		A 21 C				11/00			21/00		B 28 B	11/00
		7/00		A 23 G			A 23 G	1/20		B 29 C	59/00			13/00
	B 29 C	67/02		A 47 J				1/22		B 29 D				21/00
223,224	A 01 J	21/00		B 28 B				3/00	387,1,388	A 01 J	21/00		B 29 C	61/00
		25/12		B 29 B	13/00		A 23 P	1/00			25/12			71/00
		25/15		B 29 C	53/32		B 28 B	5/00		A 21 C	3/00		B 29 D	
	A 21 C	3/02			69/00			7/00			11/00	450.1	B 28 B	1/00
		11/00	318	A 01 J	19/00			21/00		A 23 G	1/20			3/00
	A 23 G	1/02		A 23 P	1/00		B 29 B	11/06			3/02			5/00
		3/00		A 47 J	43/20		B 29 C	51/00		A 23 P	1/00	451	A 01 J	21/00
	A 23 P	1/00		B 28 B	3/00			51/18		B 28 B	11/08			25/12
	B 28 B	5/00	319-323	A 21 C	3/06	363,364	A 01 J	21/00			21/36		A 21 C	3/00
		13/00			3/08			25/12		B 29 C	55/28			11/00
	B 29 C	55/00		B 28 B	11/08		A 21 C	3/02	389,390	A 01 J	21/00		A 23 G	1/00
		67/02			21/48			11/00			25/12			3/00
	B 29 D	7/00			21/98		A 23 G	1/20		A 21 C	3/00		A 23 P	1/00
225-234		9/00		B 29 C	53/00			3/00			11/00		B 28 B	1/00
	A 01 J	21/00			53/14		A 23 P	1/00		A 23 G	1/20			5/00
		25/12	324.1-328	A 01 J	21/00		B 28 B	3/12			3/00			7/00
	A 21 C	3/00			25/12			5/00		A 23 P	1/00	451.2-451.7	B 28 B	21/00
		11/00		A 21 C	3/00	365	B 29 D			B 28 B	11/08			1/00
	A 23 G	1/20		A 23 G	11/00		A 01 J	21/00			21/00			3/00
		1/22			1/20			25/12		B 29 D				5/00
		3/00			1/22		A 21 C	3/02	391	A 21 C	3/00	451.9	B 28 B	7/00
	A 23 P	1/00			3/00			11/00		B 28 B	11/08	452-454	A 01 J	21/00
	B 28 B	5/00		A 23 P	1/00		A 23 G	1/20			21/00			25/12
		7/00		B 28 B				3/00	392-399	A 01 J	21/00		A 21 C	3/00
		17/00		B 29 C	53/00		A 23 P	1/00			25/12			11/00
235-241	B 29 B	11/06	329,330	B 29 D	3/00		B 28 B	3/18		A 21 C	3/00		A 23 G	1/00
	A 21 C	3/00		B 28 B	3/00		B 29 D	7/00			11/00			3/00
		11/00		B 29 D	9/00			9/00		B 28 B	11/00		A 23 P	1/00
	A 23 P	1/00	331	B 28 B	3/20	366-374	A 01 J	21/00			21/00		B 28 B	1/00
	B 28 B	11/00			21/52			25/12	400-405.2	A 01 J	21/00			5/00
253-261		13/00	332,333	B 28 B	1/00		A 21 C	3/02			25/12			7/00
	A 01 J	21/00		B 29 B	9/00			11/00	406-423	A 01 J	21/00	456,457	A 01 J	21/00
		25/12	334	A 21 C	3/06		A 23 G	1/20			25/12			25/12
	A 21 C	3/00			3/08			3/00		A 21 C	3/00		A 21 C	3/00
		11/00		B 28 B	1/40		A 23 P	1/00		A 23 G	1/00			11/00
	A 23 G	1/20			17/00		B 28 B	3/12			11/00		A 23 G	1/20
		1/22			21/48			5/00		A 23 P	3/00			3/00
		3/00		B 29 C	53/00		B 29 C	53/20		B 28 B	1/00		A 23 P	1/00
262	A 23 P	1/00			53/14	375	B 29 D				3/00			1/00
	B 28 B	1/29	335-337	A 01 J	21/00		A 01 J	21/00			21/00		B 28 B	1/00
		17/00			25/12			25/12			21/00			5/00
263	B 28 B	1/02		A 21 C	3/02			3/00		B 29 B	15/00			7/00
		1/29			11/00		A 21 C	11/00		B 29 C	35/00			21/00
		17/00		A 23 G	1/20			1/20	424		35/02	458-460	A 01 J	21/00
264	B 28 B	1/02			3/00			3/12		A 01 J	21/00			25/12
		1/29		A 23 P	1/00		A 23 P	1/00			25/00		A 21 C	3/00
265-268	B 28 B	1/02		B 28 B	3/12		B 28 B	1/00		A 21 C	3/00			11/00
		1/29			5/00			17/00			11/00		A 23 G	1/20
		17/00			11/08		B 29 C	53/20		A 23 P	3/00			3/00
269-275	B 22 D	11/01		A 01 J	21/00		A 01 J	21/00		B 28 B	1/00		A 23 P	1/00
	B 28 B	7/00			25/12			25/12			3/00			1/00
		21/46			21/98			23/00		A 23 P	1/00		B 05 C	17/12
	B 29 D			B 29 B	11/06		B 29 D			B 28 B	1/00		B 28 B	1/29
276-286	B 28 B	1/00		B 29 C	53/20	376.1-382.4	A 01 J	21/02			21/10	461-467	A 01 J	21/00
					55/02			25/12	425-435	A 01 J	21/00			25/12

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 425—Con.			512-514	A 21 C	3/10	15	C 12 G	1/00	89	A 21 D		253-261	A 21 D	
					5/00	16	C 12 C	11/04		A 23 B			A 23 L	1/22
	A 21 C	3/00		B 28 B	11/00	17	C 12 J	1/00		A 23 G		262-270	A 23 B	
		11/00			1/48	18	A 21 D	2/00		A 23 K			A 23 L	1/27
	A 23 G	1/20			7/14			8/02	90	A 23 L	3/00	271	A 23 C	9/14
		3/00			11/00		A 23 L	1/10	91	A 23 G	3/00		C 12 H	1/04
	A 23 P	1/00			21/96		C 12 C	9/00		A 23 G				1/14
	B 28 B	21/52		B 29 B	11/02	19-21	A 21 D	2/00	92	B 65 D	85/00	272,273	A 23 C	19/00
	B 29 C	47/08		B 29 D	17/00			8/02		A 23 B	4/00		A 23 L	
		47/12			19/04	22	A 21 D	2/04		A 23 L	1/31	274	A 23 G	
468	A 01 J	21/00			21/04			2/20			1/315	275	A 21 D	13/00
		25/12		B 32 B	31/18			8/02	93	A 23 G	3/00		A 23 G	
	A 21 C	3/00	515,516	A 21 C	3/00	23	A 21 D	2/24		A 23 L	1/36	276	A 23 L	1/31
		11/00			11/00			8/02	94,95	A 21 D	13/00			1/315
	A 23 G	1/20		A 23 P	1/00	24,25	A 21 D	2/14		A 23 G	3/00	277,278	A 23 L	1/31
		3/00		B 28 B				8/02	96	A 23 L	1/216	279,280	A 23 G	
	A 23 P	1/00		B 29 D	31/30	26	A 21 D	2/02	97	A 23 K		281	A 23 L	1/31
	B 28 B	7/00		B 28 B	3/10			8/02		A 23 L	1/22			1/315
		21/86	517	B 28 B	23/00	27	A 21 D	8/00	98,99	A 23 B		282	A 23 G	
469	A 01 J	21/00				28-31	A 23 L	1/10		A 23 L		283	A 21 D	13/00
		25/12		B 29 D	31/04			1/28	100	A 23 G	9/00		A 23 G	
	A 21 C	3/00		B 32 B	3/00		C 12 C	7/00	101	A 23 G		284	A 23 G	
		11/00	518,519	B 28 B	7/26			9/00	102	A 23 B	7/16	285	A 23 C	9/00
	A 23 G	3/00			21/82	32	A 23 J	3/00		A 23 L			A 23 G	1/00
		3/00					A 23 K	1/04	103	A 23 G			A 23 L	
	A 23 P	1/00		B 29 D	9/28	33	A 23 D		104	A 23 G	1/00	286,287	A 23 L	1/10
	B 28 B	1/44		B 30 B	3/00	34-40	A 23 C	9/12	105	A 23 G	1/31	288	A 23 L	1/35
		5/00	520,521	B 28 B	11/10	41	A 23 C	9/12		A 23 L	1/315			
		7/00						21/00			81/34	289-296	A 23 B	
		21/00		B 29 D	9/28	42,43	A 23 C	9/12	106	B 65 D			A 23 G	1/216
470,471	A 01 J	21/00		B 30 B	49/00	44	A 23 G	1/02		A 23 B	85/00		A 23 L	1/36
		25/12	522-541	B 29 C	1/00			1/36		B 65 D	1/06	297	A 21 D	
	A 21 C	3/00	542-595	A 23 P	11/06	45	A 23 L	5/00	107-131	A 21 D	10/02	298	A 23 B	5/00
		11/00		B 29 B	35/00	46	A 23 F	1/20		A 23 B		299	A 23 B	5/00
	A 23 G	1/20		B 29 C	45/02	47	A 23 L	3/00		B 65 D	85/00		A 23 J	1/08
		3/00			45/03	48	A 23 J	1/08	132-135	A 21 D		300,301	A 23 B	5/00
	A 23 P	1/00			45/20	49	A 23 K	7/10		A 22 C		302-305	A 23 B	
	B 28 B	3/00			45/22		A 23 B	3/00		A 23 B			A 23 F	5/00
		5/00			45/38		A 23 F	1/00		A 23 G		306	A 23 B	
		21/42	801	B 29 D	19/00		A 23 K	1/22		A 23 L	13/00		A 23 F	5/00
	B 29 D	7/00	802-804	B 29 D	31/00	50	A 23 L	7/10	138,139	A 21 D		307	A 23 G	1/00
472	A 21 C		805	B 29 D	21/00		A 23 B	1/00	140	A 23 B	1/31		A 23 B	
	B 28 B		806	B 28 B	7/14		A 23 K	1/05		A 23 L	1/315	308	A 23 F	5/00
	B 29 B	15/00			21/92	51	A 23 L	7/10		B 65 D	85/08		A 23 B	
	B 29 C				31/00		A 23 K	1/00	143	A 23 L	1/16		A 23 L	1/36
	B 29 D		807	B 29 D	11/00		A 23 L	2/02		B 65 D	85/08	309,310	A 23 B	
500	A 21 C	3/00	808	B 29 D	31/00	52		1/28	144	A 23 L	1/216		A 23 F	5/00
		11/00	811	B 29 D	17/00		A 23 B	1/00	231	A 01 K	43/00	311	A 23 L	1/30
	A 23 G	1/20	812	B 28 B	35/00		A 23 K	3/00		G 01 N	33/02	312-314	A 23 B	
		1/22	813	B 29 C	5/00				232	A 01 K	43/00		A 23 C	
		3/12	814	B 29 D	17/00	53,54	A 23 L	7/10		B 65 B	55/00	315	A 23 B	4/03
		3/16	815	B 28 B	31/00		A 23 B	1/00		G 01 N	33/02			4/044
		3/18	816	B 29 D	1/50		A 23 K	3/00	233	A 01 K	43/00		A 23 C	
	A 23 P	1/00	817	B 28 B	29/00	55		4/12		A 23 D	1/24		A 23 L	1/31
	B 29 D	9/00		B 29 C			A 23 L	1/31		A 23 L	33/02	316	A 23 B	1/315
501,502	B 32 B	31/00	818	B 29 D				1/315	234	G 01 N	3/00		A 23 C	
	B 29 C	65/00				56-59	A 23 L	1/31		A 23 L	55/00		B 65 B	55/00
						60	A 23 L	1/28	235	B 65 B	1/04	317-320	A 23 B	
503,504	B 28 B	21/36	U.S. Class 426			61-63	A 23 C	9/12		A 23 L	3/04	321	A 21 D	4/00
505	B 28 B	23/06	FOOD OR EDIBLE MATERIAL: PROCESSES, COMPOSITIONS AND PRODUCTS			64	A 23 L	1/28	236				A 23 C	
							A 23 C	9/12		A 23 L	6/00		A 23 B	3/00
	B 29 C						A 23 L	1/202	237	A 21 D	3/00		A 23 K	3/00
	B 29 D	31/08				66		2/00		A 23 B	3/00		A 23 L	3/34
506-509	B 32 B			A 23 L			B 65 D	85/00		C 12 H	1/06	322,323	C 12 H	1/10
	A 21 C			A 01 K			C 12 C	5/02	238	A 21 D	6/00		A 21 D	4/00
	A 23 G	11/00		A 23 L	3/30	67	A 23 L	2/00		A 23 B			A 23 B	
	B 28 B	17/02	3,4	A 23 G	3/30		B 65 D	85/00		A 23 C	3/00		A 23 C	3/00
			5	A 23 G	85/02	68		4/10		A 23 L	3/00		A 23 K	3/00
	B 28 C	13/00		B 65 D	3/30		A 23 B	7/16			3/30		A 23 L	3/34
	B 29 B		6	A 23 G	4/12	69		1/22	239-243	A 21 D	6/00	324	A 21 D	4/00
	B 29 D	31/14	7	A 23 B		71	A 23 K	17/00		A 23 B			A 23 B	
510,511	B 32 B	3/10		A 23 L			A 23 C			A 23 C	9/14		A 23 C	3/00
	A 21 C	5/00		C 12 G		72,73	A 23 L	1/30		A 23 L	3/00		A 23 K	3/00
		11/00		C 12 G	2/00	74	A 23 K	1/175	244-248	A 21 D	6/00		A 23 L	3/34
	B 28 B	1/48		A 21 D	5/00		A 23 L	1/30		A 23 B		325,326	B 65 B	55/00
		7/14		A 23 B	11/00	75				A 23 C	9/14		A 21 D	4/00
		11/00		C 12 C	1/00	76	A 23 G	13/00		A 23 C	3/00		A 23 B	
		21/96		C 12 G	9/00	77-84	A 21 D	29/02		A 23 L	3/32		A 23 C	3/00
	B 29 B	11/02		C 12 C	11/04	85,86	B 65 B		249	A 23 L	1/27		A 23 K	
	B 29 D	17/00			1/00	87	A 23 L	17/10	250	A 23 L	1/27		A 23 L	3/36
		19/04		C 12 H	11/00		A 22 C			C 12 C	5/04		B 65 B	55/00
		21/04	14	C 12 C	3/08	88	A 23 L		251,252	A 23 L	1/27	327	A 21 D	4/00
	B 32 B	31/18		C 12 G										

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 426—Con.														
	A 23 B			A 23 L	5/00		A 23 P	1/00	582	A 23 C	19/00	803,804	A 23 L	
	A 23 C	3/00	429	A 23 L	1/28	484	A 23 L	1/36	583	A 23 C	17/00	805	A 23 K	1/18
	A 23 K		430	A 23 L	1/28		A 23 P	1/00			21/00	806	A 23 K	1/175
	A 23 L	3/36			1/10	485-488	A 23 P	1/00	584	A 23 G	1/00	807	A 23 K	1/18
329	A 23 B				1/20	489	A 23 L	1/28	585	A 23 C	9/00	808	A 21 D	13/00
	A 23 C	3/00	431	A 23 L	1/28			2/02	586	A 23 C	13/00		A 23 L	
	A 23 K				1/20		A 23 P	1/00	587	A 23 C	9/00	809	A 01 D	
	A 23 L	3/36	432-434	A 23 F	5/00	490	A 23 J	1/09	588	A 23 C	9/16	810	A 23 G	
330	A 21 D	4/00		A 23 L	1/28		A 23 P	1/00	589	A 23 L	1/238		A 23 L	
	A 23 B		435	A 23 F	3/34	491	A 23 C	1/00	590	A 23 L	2/00	811	A 23 L	
	A 23 C	3/00			3/36			9/00		C 12 C				
	A 23 K		436	A 23 L	1/28		A 23 P	1/00		C 12 G				
	A 23 L	2/16		A 23 J	1/00	492-494	A 23 P	1/00	591	A 23 L	2/40	U.S. Class 427		
	C 12 C	3/36		A 23 L	1/10		C 12 G	3/12	592	C 12 G		COATING PROCESSES		
330.1	A 23 B	5/00	437	A 23 J	1/00	495	A 23 P	1/00	593	A 23 G	1/00	1	A 61 B	5/103
330.2	A 23 C	3/00		A 23 L	1/28		C 12 C	7/16	594-596	A 23 F	5/00	2	A 01 N	1/02
330.3,330.4	A 23 L	2/00			1/31		C 12 G	1/08	597	A 23 F	3/00	3	A 61 K	9/00
	C 12 C				1/315	496-505	A 21 D	6/00	598	A 23 L	2/38	4	A 01 N	5/06
	C 12 H				1/325	506-508	A 23 B		599	A 23 L	2/00	5	A 61 M	36/14
330.5,330.6	A 23 L	2/00	438	A 23 L	1/33		A 23 L	1/00	600	C 12 C	3/00	6	G 21 C	3/06
331	A 21 D	4/00	439,440	A 21 D		509	A 23 B	1/20	601-603	A 23 D	7/00	7	B 41 M	3/14
	A 23 B		441	A 23 L	1/10		A 23 L	1/10	604	A 23 D	7/06	8-12	B 05 D	1/12
	A 23 C	3/00	442	A 23 C				1/20	605	A 23 L	1/24	13-33	B 05 D	1/04
	A 23 K			A 23 K				1/216	606-609	A 23 D	7/00	34	B 05 D	1/08
	A 23 L	1/36	443	A 23 B	4/03			1/31	610	A 23 C	9/00	35-44	B 05 D	3/06
332	A 21 D	4/00			4/044	510,511	A 23 B	1/33	611-613	A 23 D	7/00	45.1,46	B 05 D	3/02
	A 23 B		444,445	A 23 B	4/03		A 23 L	1/10	614	A 23 L	1/32	47-52	B 05 D	3/14
	A 23 C	3/00			4/044			1/20	615	A 23 K	1/00	53.1-56.1	B 05 D	3/06
	A 23 K		446	A 21 D	13/00			1/216	616	A 23 B	7/00	57	B 05 D	3/12
	A 23 L	1/31		A 23 B	4/03			1/315	617	A 23 L	1/212	58-63	B 05 D	5/12
333,334	A 21 D	1/315	447-450	A 23 B	4/044	512,513	A 23 P	1/00	618,619	A 23 L	1/172	64-73	B 05 D	5/06
	A 23 B	3/36			4/044		A 01 J				1/164	74-132	B 05 D	5/12
	A 23 C	4/00		A 23 L	4/03	514-517	A 22 C				1/212	133-135	B 05 D	1/16
	A 23 K		451	A 23 B	4/03		A 01 J				1/168	136,137	B 05 D	5/10
	A 23 L	3/36		A 23 L	4/044	518,519	A 23 P	1/00			1/172		E 01 C	5/00
335	A 21 D	4/00	452	A 23 B	4/03		A 01 J		620,621	A 23 L	1/36			11/24
	A 23 B				4/044	520	A 23 P	23/08	622	A 21 D	2/00	138,139	B 05 D	5/10
	A 23 K			A 23 L	1/10	521	A 22 C		623	A 23 K	1/00	140	E 01 C	5/12
	A 23 L	3/36	453,454	A 23 B	4/03	522	A 23 L	3/16	624	A 23 K	1/08	141	B 02 B	35/00
383	A 22 C	17/10			4/044	523	C 12 C	7/18	625	A 23 L	1/18	142	B 05 C	13/00
	A 23 P	1/00		A 23 C	9/00	524	A 23 C	3/00	626	A 23 L	1/20		B 41 N	1/24
384,385	A 23 C	1/06	455-457	A 23 B	4/03		A 23 L	3/36	627,628	A 23 L	1/36	143	B 41 N	1/24
386,387	A 23 F	3/00			4/044	530	C 12 C	9/06	629	A 23 L	1/20	144	B 41 L	7/00
		5/00		A 23 L	1/10	531	A 23 C	15/00	630	A 23 L	1/20			9/00
388	A 23 L		458	A 21 D	13/00	532	A 23 L	3/34	631	A 23 C				23/00
389	A 21 D	13/00		A 23 B	4/03	533-538	A 23 L	2/26	632	A 23 L	1/36	145	B 41 M	5/124
390	A 23 G				4/044	539	A 21 D	2/00	633	A 23 L	1/38			5/20
	A 23 L			A 23 F	5/00		A 23 L	1/27	634	A 23 L	1/20			5/26
391	A 21 D	13/00	459-464	A 23 L	1/10			1/277	635,636	A 23 K	1/00			3/12
392	A 23 B			A 23 B	4/03	540	A 23 L	1/27	637	A 23 L	1/216			
	B 65 B	55/00			4/044		C 12 C	5/04	638	A 23 L	1/223			
	C 12 C	3/04		A 23 L	1/10	541-547	A 23 B		639,640	A 23 L				
393-411	A 23 B		465-469	A 23 B	4/03		A 23 D		641	A 23 B	4/00			
	B 65 B	55/00			4/044	548	A 23 L	1/236	642	A 23 L	1/31			
412	A 23 B		470	A 23 B	4/03	549	A 21 D	10/00	643	A 23 L	1/325			
	B 65 B	55/00			4/044			13/00	644	A 23 L	1/315			
	C 12 C	3/04		A 23 C	1/00	550	A 21 D	13/04	645-647	A 23 L	1/31	146-153	B 41 M	
413-415	A 23 B		471-473	A 23 B	4/03			13/06	648	A 23 L	1/30	154-156	B 05 D	
	B 65 B	55/00			4/044	551	A 21 D		649	A 23 L	1/237	157,158	B 05 B	33/00
416	A 23 L		474-476	A 23 C		552-554	A 21 D	10/04	650	A 23 L	1/221		B 05 B	5/00
	A 23 P	1/00		A 23 F		555	A 21 D	10/00	651	A 23 L	1/222		D 06 L	3/12
417	A 23 D			A 23 G		556	A 21 D	13/08	652-654	A 23 L		159	F 21 H	3/00
	C 11 B			A 23 L		557	A 23 L		655	A 23 L	1/28	160,161	B 05 B	5/00
418	A 23 L			C 12 G		558	A 21 D	13/04		B 09 B	3/00	162-169	B 05 D	5/06
	C 12 C	3/04	477	C 12 G	1/06	559,560	A 21 D	13/00	656	A 23 J	1/00	170	B 05 D	5/00
419	A 23 K	3/02	478	A 23 L		561	A 23 L	2/40	657	A 23 J	1/02	171-176	D 06 C	29/00
420,421	A 23 G			A 23 P	1/00	562,563	A 21 D	2/00			1/04		B 05 D	3/12
	A 23 L		479	A 23 L	1/10	564	A 23 L		658-660	A 23 G	3/00		B 21 F	9/00
422	C 12 C	7/14			1/28	565-567	A 23 G	9/00		A 23 L	1/05		B 29 D	
		9/00			1/325	568-571	A 23 J	3/00	661	A 23 L	7/00		D 06 C	3/00
	C 12 H	1/04			1/33	572	A 23 L	1/09	662	A 23 J				5/00
423,424	A 23 L				2/02	573	A 23 L	1/05	663	A 23 C	3/00	177	B 05 D	3/12
	C 12 H	1/00		A 23 P	1/00			1/06	664	A 23 C	15/00		B 29 D	7/00
425	A 23 L	1/28	480	A 23 L	1/31	574	A 23 L	1/31	665	A 23 L			B 65 H	
	C 12 C	3/00			1/315	575-578	A 23 L	1/05	800	A 23 P	1/00	178	B 05 D	3/12
426	A 23 L	1/28		A 23 P	1/00	579	A 23 L	1/187		A 23 C			B 21 C	47/00
427,428	A 23 F	3/34	481-483	A 23 L	1/10	580	A 23 C		801	A 23 L	1/10	179	B 65 H	
		3/36			1/216	581	A 23 C	15/00	802	A 23 J			B 05 D	3/12

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 427—Con.			398.1-398.5	B 05 D	3/00	34.9,35.1	B 65 B	53/00			3/30			
			399.400	B 05 D	5/00		F 16 B	4/00	164	B 32 B	3/00	228	D 04 B	1/00
180	B 05 D	1/12	401	B 05 D	1/00	35.2-35.5	B 29 D	22/00			15/00		B 32 B	17/02
181	B 05 D	7/22						23/00	165	B 32 B	3/00		D 03 D	3/00
182	B 05 D	1/24	402-419.8	B 05 D	1/36		B 32 B	1/08			23/00			15/00
		7/22			7/00		B 65 D				25/00			17/00
183	B 05 D	7/22	420	B 05 D	1/30	35.6	B 27 M	3/00	166	B 32 B	3/00	229-232	D 04 B	1/00
184	B 05 D	3/12	421,422	B 05 D	1/02		B 27 N	5/02	167-169	B 32 B	3/28		D 03 D	3/00
185	B 05 D	1/24	423	B 05 D	1/08	35.7-36.92	B 29 D	22/00			3/30			15/00
186-188	B 05 D	1/12	424,425	B 05 D	1/02			23/00	170,171	B 32 B	5/14			17/00
		1/24	426	B 05 D	1/34		B 32 B	1/08	172,173	B 32 B	3/00			25/00
189-195	B 05 D	3/02			1/36		B 65 D		174	B 32 B	1/00	233-239	D 04 B	1/00
		3/08	427	B 05 D	1/02		F 16 L				3/00		B 32 B	5/02
		3/10	428,429	B 05 D	1/28	37	D 04 H	3/02	175,176	B 32 B	1/00			5/06
196	B 05 D	1/34	430.1-443.2	B 05 D	1/18	38	B 44 C	5/08			3/00			29/00
197-199	B 05 D	5/00	444	B 05 D	3/00		B 44 F	1/06		D 03 D	3/08		D 03 D	3/00
200	B 05 D	1/14	445	B 05 D		39	B 44 C	1/10	177	B 32 B	1/00			15/00
		1/16						1/16			3/02			17/00
		5/00				40-42	A 61 F	13/02	178	B 32 B	1/00			25/00
201-205	B 05 D	1/36	U.S. Class 428				D 06 N				3/12	240	D 04 B	1/00
206	B 05 D	1/14	STOCK MATERIAL OR MISCELLANEOUS ARTICLES				D 21 H		179-186	B 32 B	3/28		B 32 B	5/16
		1/16				43	E 04 F	15/16			3/30		D 03 D	3/00
		1/36					B 65 D	65/28	187	B 32 B	1/00			15/00
207.1-208.8	B 05 D	5/10					G 09 F	3/00			3/00			17/00
209-211	B 05 D	1/00	1	C 09 K	19/00	44	B 32 B	3/10	188	B 32 B	3/20			25/00
		5/00	2	B 65 D	71/00	45	B 32 B	3/02	189,190	B 32 B	3/00		D 04 B	1/00
212,213	B 05 D	7/00	3	A 44 C	23/00	46	B 32 B	3/10	191	B 32 B	3/00		D 04 H	1/00
213.3-213.36	B 01 J	13/02			25/00	47-51	B 32 B	3/14			23/02			3/00
	B 05 D	7/00			33/02			3/16	192-194	B 32 B	23/02			5/00
214-222	B 05 D	7/00	4.5	A 47 G	7/06	52	B 32 B	7/08	195-197	B 32 B	3/00			11/00
223-225	B 05 D	3/08		D 04 D	7/10	53	B 32 B	3/00			27/14	241	B 32 B	13/00
226-229	B 05 D	3/02	6	A 41 G	9/00	54	B 32 B	3/10	198	B 32 B	27/14			5/16
230-239	B 05 D	7/22			11/00	55,56	B 32 B	3/14	199	B 32 B	3/00			17/00
240-242	B 05 D	3/12	7-11	A 47 G	33/04			3/16		D 21 H				18/00
243-247	B 05 D	5/00		G 09 F	17/00	57-61	B 32 B	3/00	200	B 32 B	3/00		D 03 D	3/00
248.1-255.7	C 23 C	16/00	12	A 45 B	19/00	62	B 32 B	3/00			7/06			15/00
256,257	B 05 D	5/00			27/00	63	D 04 H	11/00			7/10			17/00
258	B 05 D	1/36			7/00	64-66	B 32 B	3/26	201	B 32 B	3/00		D 04 B	1/00
		5/00				67	B 32 B	3/02			7/14		D 04 H	1/00
259	B 05 D	1/32		A 45 C			B 44 C	1/26	202	B 32 B	3/00			3/00
		1/36	13,14	A 45 F	1/12			3/12	203	B 32 B	3/00			5/00
		5/00		A 47 G		68-70	B 32 B	1/04			7/14			11/00
260	B 05 D	1/28	15	B 44 F	3/00			3/02	204	B 32 B	3/00	242	B 32 B	13/00
		1/36		A 01 N	3/00	71-73	B 32 B	3/00			5/16			5/16
		5/00		A 41 G	5/00	74-76	B 32 B	1/04			7/14			15/00
261-263	B 05 D	1/36		B 44 F	7/00	77,78	B 32 B	3/02	205	B 32 B	3/00		D 03 D	3/00
		5/00		A 01 N	1/00			3/14			7/14			15/00
264	B 05 D	1/36	16	A 01 N	3/00	79-84	B 32 B	3/16			9/00			17/00
		3/00	17-27	A 41 G	1/00	85-89	B 32 B	3/02	206,207	B 32 B	27/00			25/00
		5/00		B 44 C				33/00			5/16		D 04 B	1/00
265-269	B 05 D	1/36	28	B 44 F	1/10		D 03 D	27/00			7/00		D 04 H	1/00
		5/00	29	B 44 F	1/10		D 04 H	11/00	208	B 32 B	3/00			3/00
270,271	B 05 D	3/00	30		1/14	90	D 05 C	17/00			5/16			11/00
		5/00		B 60 R	13/00		B 05 D	1/14			7/00			13/00
272	B 05 D	1/32	31	F 16 B	2/00			1/16			15/00	243	B 32 B	5/16
		3/00	32		5/07		B 32 B	33/00			19/00			23/00
		5/00	33		5/10	91	B 32 B	33/00	209	B 32 B	3/00		D 03 D	3/00
273-278	B 05 D	3/00		E 06 B	3/24	92-97	D 06 C	11/00			7/00			15/00
		5/00			3/26		B 32 B	3/02			15/00			17/00
279-281	B 05 D	5/00	34	B 29 D	22/00		D 03 D	27/00	210	B 32 B	3/00			25/00
282	B 05 D	1/32			23/00		D 04 H	11/00			7/00			1/00
		5/00	34.1	B 32 B	1/08		D 05 C	17/00			18/00		D 04 B	1/00
283-288	B 05 D	3/12		B 65 D		98	B 32 B	5/00	211	B 32 B	3/00		D 04 H	3/00
289-293	B 05 D	3/00		F 16 L				7/00			3/00			5/00
294-300	B 05 D	3/04		A 47 G	19/22	99-101	B 32 B	3/06			7/00			11/00
301-313	B 05 D	3/10		B 28 B	21/00	102-104	B 32 B	3/06	212-218	B 32 B	7/02	244	B 32 B	5/16
					21/72			9/00	219-221	B 32 B				9/00
314-321	B 05 D	3/02	34.2,34.3	B 32 B	1/08	105-114	B 32 B	5/12		D 03 D	13/00		D 03 D	3/00
322-330	B 05 D	3/00		B 65 D		115	B 32 B	3/02	222	B 32 B	7/08			15/00
		3/12		D 21 J			D 04 D	5/00	223	B 32 B	3/00			17/00
331	B 05 D	1/40		F 16 L				7/08	224,225	D 03 D	3/00			25/00
		3/00		A 47 G	19/22	116-118	B 32 B	3/12			17/00		D 04 B	1/00
332-344	B 05 D	3/04	34.4-34.7	B 28 B	21/00	119,120	B 32 B	7/00			25/00		D 04 H	1/00
		3/10			21/72	121-130	B 32 B	3/04		D 04 B	1/00			3/00
345	B 05 D	3/12			23/08	131-140	B 32 B	3/10		D 04 H	1/00	245,246	B 32 B	7/00
346,347	B 05 D	3/04		B 29 D	22/00	141-155	B 32 B				3/00		D 03 D	3/00
348,349	B 05 D	3/12			23/00		D 06 N	7/04			5/00			15/00
				B 32 B	1/08	156	B 32 B	3/00			11/00			17/00
350,351	B 05 D	3/12		B 65 D		157	B 32 B	3/02			13/00			25/00
352-354	B 05 D	3/00		F 16 L	9/10	158-160	B 32 B	3/12	226,227	D 03 D	3/00		D 04 B	1/00
355-371	B 05 D	3/12		A 22 C	13/00			3/26			15/00		D 04 H	1/00
372.2-376.8	B 05 D	3/02	34.8	B 29 D	22/00	161,162	B 32 B	3/00			17/00			3/00
377,378	B 05 D	3/04			23/00	163	B 32 B	3/28			25/00			5/00
379-397.8	B 05 D	3/02												

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 428—Con.				D 04 B	1/00		D 04 H	1/00			9/00			15/00
		11/00		D 04 H	1/00			3/00		D 03 D	3/00			23/00
		13/00			3/00			5/00			15/00			25/00
247	B 32 B	7/00			11/00	270	B 32 B	7/00			17/00	391	D 02 G	3/00
	D 03 D	3/00			13/00			9/02		D 04 B	1/00		B 32 B	9/00
		9/00	263	B 32 B	7/00		D 03 D	3/00		D 04 H	1/00			25/20
		15/00			15/00			15/00			3/00	392	D 02 G	3/00
		17/00			25/00			5/00			11/00		B 32 B	9/00
		25/00		D 03 D	3/00			17/00			13/00	393	D 02 G	3/00
	D 04 B	1/00			15/00		D 04 B	1/00	280,281	D 04 H	1/08	394	B 32 B	27/00
	D 04 H	1/00			17/00		D 04 H	1/00	282	D 04 H	1/16		D 02 G	3/00
		3/00			25/00			3/00	283	B 32 B	5/16	395	B 32 B	27/34
		5/00		D 04 B	1/00			5/00		D 04 H				27/36
248,249	B 32 B	13/00		D 04 H	1/00			17/00	284	B 32 B			D 02 G	3/00
		7/00			3/00	271	B 32 B	7/00		D 04 H		396-401	D 02 G	3/00
	D 03 D	23/00			11/00		D 03 D	19/08	285	B 32 B	15/00		B 32 B	5/16
		3/00			13/00			3/00			17/00			9/00
		15/00	264	B 32 B	7/00			15/00		D 04 H				15/02
		17/00			23/00			17/00	286	B 32 B	27/00			17/02
		25/00		D 03 D	3/00			25/00		D 04 H				19/00
	D 04 B	1/00			15/00		D 04 B	1/00	287	B 32 B	27/34			21/02
	D 04 H	1/00			17/00		D 04 H	1/00			27/36			23/02
		3/00			25/00			3/00		D 04 H				27/02
		5/00		D 04 B	1/00			5/00	288,289	D 04 H	1/58	402.2	B 32 B	5/16
		11/00		D 04 H	1/00			11/00	290	B 32 B	27/00			9/00
250	B 32 B	13/00			3/00	272	B 32 B	13/00		D 04 H				9/02
		7/00			5/00			7/00	291	B 32 B	9/00			9/04
	D 03 D	25/00			11/00		D 03 D	27/00			11/00			15/02
		3/00			13/00			3/00	292-295	D 04 H				17/02
		15/00		B 32 B	7/00			15/00	296	D 04 H	1/04			19/00
		17/00			27/00			17/00	297-302	B 32 B	5/06			21/02
		25/00		D 03 D	3/00			25/00			5/22			23/02
	D 04 B	1/00			15/00		D 04 B	1/00	303	B 32 B				27/02
	D 04 H	1/00			17/00		D 04 H	1/00	304 4,305.5	B 32 B	3/26	402.21,402.22	B 32 B	5/16
		3/00			25/00			3/00	306.6,307.3	B 32 B	3/06			9/00
		5/00		D 04 B	1/00			5/00	307.7-310.5	B 32 B	5/14			15/02
		11/00		D 04 H	1/00			11/00	311.1,311.3	B 32 B	5/24			17/02
251	B 32 B	13/00			3/00	273	B 32 B	13/00	311.5-316.6	B 32 B	3/26			19/00
		7/00			5/00			7/00	317.1-317.7	B 32 B	7/12			21/02
		15/00			11/00			17/02	317.9	B 32 B	5/22			23/02
		17/00			13/00		D 03 D	3/00	318.4	B 32 B	9/00			25/00
	D 03 D	19/00	266	B 32 B	7/00			15/00	318.6	B 32 B	3/26			27/00
		3/00			25/00			17/00	318.8	B 32 B	5/20			27/02
		15/00		D 03 D	3/00			25/00	319.1	B 32 B	3/26	402.24	B 32 B	5/16
		17/00			15/00		D 04 B	1/00	319.3-319.9	B 32 B	27/00			9/00
		25/00			17/00		D 04 H	1/00	320.2,321.1	B 32 B	3/26			9/02
	D 04 B	1/00			25/00			3/00	321.3	B 41 M	5/025			9/04
	D 04 H	1/00		D 04 B	1/00			5/00	321.5-322.7	B 32 B	3/26			15/02
		3/00		D 04 H	1/00			11/00	323,324	B 32 B	5/16			17/02
		5/00			3/00	274	B 32 B	13/00	325	B 32 B	18/00			19/00
		11/00			5/00			7/00	326-331	B 32 B	5/16			21/02
252	B 32 B	13/00			11/00			23/00	332-342	B 32 B				23/02
		7/00			13/00		D 03 D	3/00	343-356	B 32 B	7/12			27/02
	D 03 D	27/00	267	B 32 B	7/00			15/00			15/04	403-407	B 32 B	5/16
		3/00			27/34		D 04 H	1/00	357	B 32 B	19/00			9/00
		15/00		D 03 D	3/00			3/00	358-362	D 02 G	3/00			15/02
		17/00			15/00			5/00	363	B 32 B	5/16			17/02
		25/00			17/00			11/00	364	D 02 G	3/00			19/00
	D 04 B	1/00			25/00			13/00	365	D 02 G	3/00			21/02
	D 04 H	1/00		D 04 B	1/00	275-277	B 32 B	7/00		D 04 H				23/02
		3/00		D 04 H	1/00			9/00	366-368	B 32 B	9/00			27/02
		5/00			3/00		D 03 D	3/00		D 02 G	3/00	408	B 32 B	9/00
		11/00			5/00			15/00	369-378	D 02 G	3/00	409	B 32 B	
253,254	B 32 B	13/00			11/00			17/00	379-381	B 32 B	15/00	410	B 32 B	17/00
	D 04 B	7/00	268	B 32 B	7/00		D 04 B	25/00		D 02 G	3/00	411.1	B 32 B	9/04
255	B 32 B	1/00			17/02		D 04 H	1/00	382	B 32 B	25/00	412	B 32 B	27/36
	D 03 D	9/00		D 03 D	3/00			1/00		D 02 G	3/00	413,414	B 32 B	27/38
	D 04 B	1/00			15/00			5/00	383	B 32 B	27/00	415	B 32 B	17/10
256	B 32 B	7/00			17/00			11/00		D 02 G	3/00			27/38
		15/00			25/00			13/00	384	B 32 B	9/00	416	B 32 B	15/08
	D 03 D	9/00		D 04 B	1/00	278	B 32 B	7/00	385,386	B 32 B	15/00	417	B 32 B	27/38
	D 04 B	1/00		D 04 H	1/00			27/42		D 02 G	3/00			17/10
257,258	B 32 B	7/00			3/00		D 03 D	3/00	387	B 32 B	9/00	418	B 32 B	27/38
	D 03 D	13/00			5/00			15/00			15/00			27/38
	D 04 B	1/00			11/00			17/00		D 02 G	3/00	419	B 32 B	27/06
259	B 32 B	7/00			13/00			25/00	388	B 32 B	9/00	420	B 32 B	7/04
	D 03 D	15/00	269	B 32 B	5/06		D 04 B	1/00			15/00			31/06
	D 04 B	1/00			7/00		D 04 H	1/00			17/00			27/00
260-262	B 32 B	7/00		D 03 D	3/00			3/00		D 02 G	3/00	421,422	B 32 B	27/00
	D 03 D	3/00			15/00			5/00	389	B 32 B	9/00	422.8-425.9	B 32 B	27/40
		15/00			17/00			11/00			15/00	426	B 32 B	17/06
		17/00			25/00			13/00		D 02 G	3/00	427-429	B 32 B	9/00
		25/00		D 04 B	1/00	279	B 32 B	7/00	390	B 32 B	9/00			17/06

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 428—Con.												U.S. Class 429		
												CHEMISTRY, ELECTRICAL CURRENT		
												PRODUCING APPARATUS, PRODUCT,		
												AND PROCESS		
430,431	B 32 B	9/00	477.7	B 32 B	27/34		B 32 B	39/00						
		17/10			27/42		H 01 B							
432-434	B 32 B	15/00	478.2	B 32 B	27/08		H 01 F	1/16						
		17/06			27/34			3/00						
435	B 32 B	17/10	478.4	B 32 B	9/02			3/02	613	B 32 B	3/24			
		27/34			9/04			3/04	614	B 21 D	1/08			
436,437	B 32 B	17/10			9/02	545-547	B 22 F	3/06		B 32 B	5/18			
		27/42			23/04			3/00	615	B 32 B	39/00			
438	B 32 B	17/08	478.8	B 32 B	9/06			5/00		B 32 B				
		23/04			29/00			7/00	616-619	C 25 D	15/00			
		23/22	479.3	B 32 B	23/08			28/00		H 01 L	5/10			
439	B 32 B	17/08			27/34	548,549	B 22 F	29/00		B 21 D	29/12			
		23/20	479.6	B 32 B	21/08			7/00		B 32 B	39/00			
440	B 32 B	11/04			27/10			7/02		B 32 B	15/06			
		17/06	480	B 32 B	27/06			35/36		B 32 B	15/08			
441,442	B 32 B	17/10			27/36	550	B 23 K	3/10		B 32 B	15/04			
443	B 32 B	19/04	481	B 32 B	27/10	551,552	B 22 F	5/18		C 25 D	11/02			
444	B 32 B	15/04	482,483	B 32 B	27/06			3/00		C 03 C	27/02			
445	B 32 B	19/04			27/36			5/00			27/04			
		23/04	484,485	B 32 B	9/04	553-556	B 22 F	7/00			27/08			
		9/04	486,487	B 32 B	9/06			7/08	635	B 32 B	29/00			
446	B 32 B	13/04	488.1,488.4	B 41 M	5/10			15/02	636	B 32 B	15/00			
447,448	B 32 B	9/04	489	B 32 B	11/00			3/02		C 25 D	5/10			
449	B 32 B	9/06		D 06 N	5/00	557-565	B 22 F	7/04	637,638	B 32 B	15/18			
		11/06	490,491	B 32 B	11/06			7/08	639-641	B 32 B	15/00			
450	B 32 B	9/06		D 06 N	5/00			15/02	642	B 32 B	15/01			
		15/04	492,493	B 32 B	25/04	566	B 32 B	3/02	643-645	B 32 B	15/00			
451	B 32 B	13/12			25/12			3/04		C 25 D				
452	B 32 B	9/06	494,495	B 32 B	25/08			3/06	646-648	B 32 B	15/01			
		15/04			25/12	567-569	B 22 F	3/26	649	B 32 B	15/00			
453	B 32 B	9/04	496	B 32 B	25/06			5/00		C 25 D	5/42			
454	B 32 B	9/04			25/12			7/00	650-654	B 32 B	15/10			
		13/04	497	B 32 B	9/04	570-572	B 22 F			C 25 D				
		19/04	498,499	B 32 B	9/06	573-575	B 21 C	37/00	655-659	B 32 B	15/00			
455	B 32 B	9/04	500	B 32 B	27/00					C 25 D	5/10			
456	B 32 B	9/04	501-506	B 32 B	27/08			8/00	660-662	B 32 B	15/00			
	D 06 N	1/00			27/42			3/00		C 25 D	5/10			
457	B 32 B	15/04	507-510	B 32 B	23/08	576	B 22 F			B 32 B	15/00			
458	B 32 B	15/08			27/06	577-585	B 21 C	1/00	663-667	B 32 B	15/00			
459	B 32 B	9/02	511-514	B 32 B	23/08			27/00	668	C 25 D	5/10			
		15/08			27/10					B 32 B	15/00			
		27/34	515-520	B 32 B	27/08			3/00		C 25 D	5/10			
		27/36	521	B 32 B	27/32	586,587	B 21 F			B 32 B	5/26			
460	B 32 B	15/08	522	B 32 B	27/30	588,589	B 21 H	3/00	669	B 32 B	15/01			
		27/42	523	B 32 B	27/32					C 25 D	5/24			
461-463	B 32 B	15/08	524	B 32 B	27/42	590	B 23 P			B 32 B	15/01			
		27/00	525	B 32 B	27/08	591	B 21 C			B 32 B	15/20			
464	B 32 B	15/10			27/42	592	B 21 F	37/00	670	B 32 B	15/01			
		15/12	526,527	B 32 B	23/08				671	B 32 B	15/01			
465,466	B 32 B	15/06			27/42	593	B 21 D	39/00	672,673	B 32 B	15/20			
467	B 32 B	9/00	528,529	B 32 B	21/08			3/12	674-677	B 32 B	15/00			
		15/04			27/42	594	B 32 B	15/00	678,679	B 32 B	15/18			
468	B 32 B	11/00	530,531	B 32 B	27/08	595	B 21 C	37/00	680	B 32 B	15/01			
		15/04			27/42						15/00			
469-472.3	B 32 B	9/00	532	B 32 B	23/04	596	B 21 B		681-685	B 32 B	15/00			
		15/04			29/00					C 25 D	5/10			
473	B 32 B	9/02	533	B 32 B	23/04			27/00	686	B 23 P				
		9/04	534	B 32 B	21/06			3/10		B 32 B				
473.5	B 32 B	27/00			23/04	597-599	B 21 B		687	C 23 C	9/00			
		27/06	535	B 32 B	21/06			27/00		B 23 P	3/00			
474.4	B 32 B	27/08			21/14			28/00	688-693	B 32 B	9/00			
		27/34			29/00			27/00			19/00			
474.7,474.9	B 32 B	27/06	536	B 32 B	23/04	600-602	B 22 F	5/00	694	G 11 B	5/66			
		27/34			23/06			3/00			5/70			
475.2	B 32 B	27/28	537.1	B 32 B	21/04			3/30	695	G 11 B	5/72			
		27/36	537.5,537.7	B 32 B	29/00	603	B 21 D	13/00	696-702	B 32 B	9/00			
475.5	B 32 B	27/08	539.5	B 21 F				5/00			19/00			
		27/34		B 22 F					703	B 32 B	13/00			
475.8	B 32 B	27/08		B 32 B		604	B 21 D	13/00	704	B 32 B	9/04			
		27/30	540	C 14 C	9/00			5/00	914	B 41 M	3/12			
		27/34	541	B 27 K				3/28	920,921	B 27 N	9/00			
476.1	B 32 B	27/08	542.2-542.6	A 47 G	35/00			3/30	923-926	B 32 B	3/00			
		27/32	542.8	B 29 B	7/00	605	B 23 P	17/06			5/00			
		27/34	543	B 32 B	9/04	606,607	B 21 C	37/00	927	B 32 B	3/00			
476.3	B 32 B	27/08	544	B 21 C				7/04			33/00			
		27/30		B 21 F		608,609	B 21 C	37/00	928	H 01 F	1/00			
		27/34		B 22 D	3/00			7/00	929	H 01 H	1/02			
476.6	B 32 B	9/02			5/00	610	B 22 D	25/00	930	H 01 L	39/00			
		9/04			7/00			27/00	931	H 01 B	5/10			
		27/30			9/00			5/14	932	B 24 B				
476.9	B 32 B	27/08			11/00			7/10	933	C 23 F	13/00			
		27/32			21/00	611	H 01 F	1/00	934-938	C 25 D				
		27/34			23/00	612	B 21 B		941	C 23 C	8/00			
477.4	B 32 B	27/08			25/00		B 21 C				10/00			

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 429—Con.			239	H 01 M	4/70			1/735	531-537	G 03 C	1/76	153-155	F 23 D	11/36
			240-244	H 01 M	4/74		G 03 F	7/025	538	G 03 C	1/775	156	F 23 D	
133	H 01 M	2/18	245	H 01 M	4/66			7/027	539	G 03 C	1/76	157	F 23 L	17/00
134	H 01 M	2/16			4/68			7/038	540	G 03 C	1/64	158	F 23 R	
135	H 01 M	2/16	246-255	H 01 M	2/16	289	G 03 C	1/66	541	G 03 C	7/32	159	F 23 D	11/00
						290-298	G 03 C	5/00	542-563	G 03 C	1/08	160	F 23 D	11/36
136	H 01 M	2/18				299	G 03 C	5/18			7/26	161-167	F 23 D	11/44
137	H 01 M	2/16						5/26			7/32	168	F 23 D	11/04
			U.S. Class 430			300,301	G 03 F	7/00	564-595	G 03 C	1/005	169	F 23 D	11/08
138-141	H 01 M	2/18	RADIATION IMAGERY CHEMISTRY -			302-307	G 03 F	7/00			1/494	170	F 23 D	21/00
142-147	H 01 M	2/16	PROCESS, COMPOSITION OR PRODUCT					7/26	596-598	G 03 C	1/00	171,172	F 23 M	9/05
						308	G 03 F	7/12	599-605	G 03 C	1/06	173	F 23 C	5/32
148	H 01 M	2/00	1	G 03 H	1/04	309,310	G 03 F	7/00	606	G 03 C	1/36	174	F 23 C	5/00
149-151	H 01 M	6/42	2	G 03 C		311-331	G 03 C	5/00	607-615	G 03 C	1/06	175,176	F 23 C	5/28
152-155	H 01 M	6/46	3	G 03 H	3/00	332-345	G 03 C	1/725	616-620	G 03 C	1/00	177-181	F 23 C	5/08
156,157	H 01 M	6/42	4-7	G 03 F	9/00			1/73	621-626	G 03 C	1/30	182-185	F 23 M	9/00
158	H 01 M	2/24	8	G 03 C	5/00			1/735	627-644	G 03 C	1/005	186	F 23 C	5/06
			9-18	G 03 C	3/00	346,347	G 03 C	5/00			1/494	187	F 23 C	7/00
159	H 01 M	6/42	19	G 03 C	11/00			5/44				188	F 23 M	9/00
160	H 01 M	2/24	20	C 09 K	19/00	348-355	G 03 C	5/16	U.S. Class 431			189	F 23 C	5/06
									COMBUSTION			190	F 23 L	9/00
161	H 01 M	2/26	21	G 03 C	11/00	356	G 03 C	5/00				191-194	F 24 C	3/10
			22	G 03 F	9/00	357-366	G 03 C	7/00	1	F 23 C	11/04	195-201	F 23 D	5/00
162	H 01 M	6/12	23-30	G 03 C	5/00	367	G 03 C	5/22	2	F 23 B		202	F 23 D	
			31	G 03 G	13/00	368	G 03 C	1/64	3	F 23 J		203-206	F 23 D	11/00
163	H 01 M	2/00	32-38	G 03 G	17/04	369	G 03 C	7/04	4	F 23 J	7/00	207-248	F 23 D	11/44
164	H 01 M	2/02	39	G 03 G	19/00	370	G 03 C	11/18	5	F 23 J	7/00	249-253	F 23 D	
			40,41	G 03 G	13/00	371,372	G 03 C	11/00	6	F 23 D	14/00	254	F 23 Q	1/04
165-171	H 01 M	2/02	42-47	G 03 G	13/01	373	G 03 C	7/00	7	F 23 J	7/08			7/12
172-175	H 01 M	2/08	48	G 03 G	13/04			7/26	8	F 23 J	15/00	255-257	F 23 Q	7/06
176	H 01 M	2/04	49	G 03 G	13/28	374-389	G 03 C	7/46	9	F 23 N	5/20	258	F 23 Q	7/08
177-179	H 01 M	2/02	50	G 03 G	16/00	390-392	G 03 C	7/32	10	F 23 N	5/22	259,260	F 23 Q	7/08
180	H 01 M	2/08	51	G 03 G	13/00	393	G 03 C	7/00	11	F 23 D	3/40	261	F 23 Q	3/00
181	H 01 M	2/02	52	G 03 G	17/02	394	G 03 C	5/00				262	F 23 Q	7/06
182-185	H 01 M	2/08	53	G 03 G	17/00	395	G 03 C	5/10				263	F 23 Q	7/06
186,187	H 01 M	2/10	54	G 03 G	13/00			5/20				264-266	F 23 Q	3/00
188,189	H 01 M	6/04	55	G 03 G	13/24	396,397	G 03 C	5/04				267	F 23 Q	1/00
190	H 01 M	6/14	56	G 03 G	15/00	398	G 03 C	3/00				268	F 23 Q	11/00
191	H 01 M	6/18	57-59	G 03 G	15/02	399	G 03 C	5/18				269	A 24 F	27/14
192	H 01 M	6/16	60-69	G 03 G	15/04			5/26				270	F 23 Q	1/02
			70-82	G 03 G	5/00	400	G 03 C	5/38				271,272	A 24 F	27/14
193	H 01 M	6/18			15/06	401-406	G 03 C	5/18				273-277	F 23 Q	1/02
194-197	H 01 M	6/14	83	G 03 G	15/09			5/26				278,279	F 23 Q	9/00
198	H 01 M	6/16	84-95	G 03 G	15/08	407	G 03 C	5/50				280,281	F 23 Q	9/08
199-205	H 01 M	6/04	96	G 03 G	5/00	408-418	G 03 C	5/18				282-285	F 23 Q	9/00
206,207	H 01 M	6/04	97	G 03 G	13/06			5/26				286	F 23 D	14/58
			98,99	G 03 G	13/20	419,420	G 03 C	5/38				287	F 23 D	
208	H 01 M	10/16	100-103	G 03 G	13/06	421-429	G 03 C	5/18				288-297	F 23 D	3/16
209	H 01 M	4/02	104	G 03 G	9/00			5/26				298-300	F 23 D	3/02
210	H 01 M	6/48			11/00	430,431	G 03 C	5/44				301	F 23 D	3/34
			105,106	G 03 G	9/00	432	G 03 C	1/725				302,303	F 23 D	3/02
211	H 01 M	4/02	106.6	G 03 G	9/083			1/73				304	F 23 D	3/28
212-216	H 01 M	4/60			9/107			1/735				305	F 23 D	3/32
217	H 01 M	4/62	107	G 03 G	9/10			5/18				306	F 23 D	3/28
218	H 01 M	4/58	108-116	G 03 G	9/00			5/26				307,308	F 23 D	3/32
219	H 01 M	4/34	117-123	G 03 G	9/08	433-450	G 03 C	5/18				309-314	F 23 D	3/04
			124	G 03 G	13/20			5/26				315-318	F 23 D	3/28
220	H 01 M	10/32	125	G 03 G	21/00	451-453	G 03 C	5/315				319	F 23 D	3/02
			126	G 03 G	13/14			5/38				320	F 23 D	3/24
			127-137	G 03 G	5/00	454	G 03 C	5/40				321-325	F 23 D	3/18
221	H 01 M	4/58	138	G 03 C	1/72	455-460	G 03 C	5/38				326	F 23 D	3/40
			139	G 03 C	5/16	461,462	G 03 C	5/42				327	F 23 Q	13/04
			140	G 03 C	5/14			5/44				328	F 23 D	14/12
222	H 01 M	4/58	141-143	G 03 C	5/18	463	G 03 C	11/00				329	F 23 D	14/14
			144	G 03 C	5/18	464-493	G 03 C	5/18				330	F 23 D	5/06
					5/26			5/26						7/00
223	H 01 M	4/32	145-148	G 03 C	5/18	494	G 03 C	5/04				331-342	F 23 D	5/02
			149-153	G 03 C	5/18	495,496	G 03 C	1/00				343	F 23 D	11/36
					5/26			3/00						14/46
224	H 01 M	4/58	154-197	G 03 C	1/52	497-499	G 03 C	1/42				344	F 23 D	14/28
225	H 01 M	4/50	198	G 03 C	11/00			1/494				345	F 23 D	14/46
226	H 01 M	4/56	199-226	G 03 C	8/00	500,501	G 03 C	3/02				346	F 23 D	14/82
227	H 01 M	4/36	227-234	G 03 C	3/00	502-507	G 03 C	1/46				347,348	F 23 D	14/12
228	H 01 M	4/58	235-251	G 03 C	5/00	508,509	G 03 C	1/08				349	F 23 D	14/58
			252-255	G 03 C	3/00	510-512	G 03 C	1/815				350	F 23 D	14/46
229	H 01 M	4/57	256-258	G 03 C	11/12			1/825				351-353	F 23 D	
			259-263	G 03 C	1/805	513-516	G 03 C	1/492				354,355	F 23 D	14/62
230	H 01 M	4/58	264-267	G 03 C	1/06			1/494				356	F 23 D	
231	H 01 M	4/42	268	G 03 C	5/18			1/815				357-365	F 21 K	5/00
232	H 01 M	4/48			5/26			1/825						5/08
233	H 01 M	4/62	269	G 03 C	5/00	517-522	G 03 C	1/06						
			270-279	G 03 C	1/492			1/815						
234	H 01 M	4/72			1/494			1/825						
235-237	H 01 M	4/80	280-288	G 03 C	1/76	523	G 03 C	1/76						
238	H 01 M	4/76			1/73	524-526	G 03 C	1/77						
						527-530	G 03 C	1/85						

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U.S. Class 432														
HEATING														
1	F 24 J		103	F 27 B	7/00			9/00	110,111	A 61 C	1/18	24	F 41 A	33/00
2	F 24 D		104	F 23 B		234	F 27 D	3/02			1/06		G 09 B	9/00
	F 28 G			F 23 C		235,236	F 27 D	3/00			1/08	25	G 09 B	9/00
3	F 27 D	1/16		F 27 B	7/00	237,238	F 27 D	1/12	112	A 61 C	1/18		G 09 B	9/00
4	F 27 D	9/00	105	F 27 B	7/36	239,240	F 27 D	3/00	113	A 61 C	1/04	26	G 09 B	9/00
		13/00	106	F 27 B	7/02	241	F 27 D	3/12	114	A 61 C	1/10	27	F 41 G	3/26
5	F 27 D	13/00	107	F 27 B	7/08	242	F 27 D	1/18			3/00	28	G 01 S	
6	F 27 D	5/00			7/10	243-246	F 27 D	3/00	115	A 61 C	1/05		G 09 B	9/00
7	F 27 B	21/00	108	F 27 B	7/00	247	F 27 D	1/14	116	A 61 C	1/16	29	G 09 B	9/02
8	F 26 B	13/00	109	F 27 B	7/36	248	F 27 B	14/08	117	A 61 C	1/08		G 09 B	19/16
9	F 27 B	9/28	110	F 27 B	7/14	249	F 27 D	23/00	118-124	A 61 C	1/07	30-59	G 09 B	9/08
10	F 27 D	5/00	111,112	F 27 B	7/00	250	F 27 D	1/18			3/03		G 09 B	19/16
11	F 27 D	3/00	113	F 27 B	7/06	251	F 27 D	1/00			3/08	60	G 09 B	9/06
12	F 27 D	13/00			7/36	252	F 27 D	1/14	125	A 61 C	3/06		G 09 B	19/16
13	F 27 B	14/00	114	F 27 B	7/10	253	F 27 D	5/00	126	A 61 C	1/08	61-71	G 09 B	9/04
14,15	F 27 B	15/00	115	F 27 B	7/24	254.1	C 21 D	9/00	127-129	A 61 C	1/14		G 09 B	19/16
16	F 27 B	15/12	116	F 27 B	7/38	254.2	C 21 D	9/00	130	A 61 C	1/12	72-80	G 09 B	25/00
17	F 27 B	15/18	117	F 27 B	7/32		F 27 D	11/10	131	A 61 C	1/00	81-83	G 09 B	11/00
18	F 27 B	9/12	118	F 27 B	7/14	258,259	F 27 D	5/00	132	A 61 C	1/05	84	G 09 B	11/10
19,20	F 27 D	7/00	119	F 27 B	7/28	260,261	C 21 D	9/00	133	A 61 C	1/12	85-87	G 09 B	11/00
21	F 22 B		120	F 27 B		262-265	F 27 B	14/10	134,135	A 61 C	3/06	88	G 09 B	11/04
	F 24 D		121	F 27 B	9/00	266	F 24 J		136,137	A 61 C	5/14		G 09 B	11/06
	F 24 H			F 27 D	3/00	267	A 24 B	1/02	138,139	A 61 C	5/12	89-92	G 09 B	11/00
22	F 27 B	3/22	122-124	F 27 B	9/14	268			140	A 61 C	5/00	93	G 09 B	25/08
23	F 27 B	9/04	125-127	F 27 D	3/04	269			141	A 61 C	3/00	94	G 09 B	19/10
24,25	F 27 D	7/00	128-132	F 27 B	9/02				142	A 61 C	3/06	95	G 09 B	19/20
26	F 27 B	3/22		F 27 B	9/00	U.S. Class 433			143	A 61 C	17/00	96-106	G 09 B	19/00
	F 27 D	7/00	133	F 27 B	9/14	DENTISTRY			144,145	A 61 C	3/02	107-110	G 09 B	19/18
27	F 27 B	15/00	134	F 27 B	9/22	1	A 61 D	5/00	146,147	A 61 C	3/00	111	G 01 C	21/02
28	F 27 D	17/00	135	F 27 B	9/00	2-24	A 61 C	3/00	148,149	A 61 C	7/00		G 09 B	21/24
29	F 24 H		136	F 27 B	9/00	25	A 61 C		150,151	A 61 C	3/08	112-114	G 09 B	21/00
30	F 24 H	7/00	137	F 27 B	9/26	26	A 61 C	19/10	152-154	A 61 C	3/00	115	G 09 B	21/02
31	F 27 B		138	F 27 B	9/16	27	A 61 C	1/00	155	A 61 C	5/04	116	G 06 K	9/00
32	F 27 D	21/00	139	F 27 B	9/22	28	A 61 C	1/02	156-158	A 61 C	3/00	117	G 09 B	21/00
33	F 27 D	19/00	140	F 27 B	9/16	29	A 61 C	1/00	159,160	A 61 C	3/16	118	G 09 B	19/00
34	F 27 B	9/40	141	F 27 D	3/12	30	A 61 B	1/24			3/00	126	G 09 B	9/00
35	F 27 D	21/00	142	F 27 B	9/16	31	A 61 C	1/00	161-163	A 61 C	3/00		G 09 B	19/00
36	F 27 B	1/26	143-150	F 27 B	9/00	32	A 61 C	3/00	164	A 61 C	3/08	127	G 09 B	19/00
		9/40	151	F 27 B	14/00	33	A 61 G	15/00	165	A 61 C	3/02	128,129	G 09 B	19/22
		15/18	152	F 27 B	9/04	34	A 61 C	19/00	166	A 61 C	3/06	130	G 09 B	25/06
	F 27 D	19/00	153	F 27 B	9/08	35-38	A 61 C	9/00	167	A 61 C	13/00	131-135	G 09 B	27/08
37	F 27 B	9/40	154	F 27 D	3/08	39	A 61 C	5/04	168.1	A 61 C	13/02	136	G 09 B	27/02
38	F 27 D	19/00	155	F 27 B	9/00	40-48	A 61 C	9/00	169,170	A 61 C	13/28		G 09 B	27/08
39	F 27 D	17/00	156	F 27 B	14/00	49	A 61 C	1/14	171	A 61 C	13/00	137-141	G 09 B	27/02
40	C 21 B	9/10	157	F 27 B	14/02						13/12	142	G 04 B	19/22
41,42	F 27 D	19/00	158	F 27 B	14/14	50	A 61 C	3/04	172	A 61 C	13/225		G 09 B	27/08
43-45	F 27 B	9/40	159	F 27 B	3/00	51	A 61 C	3/06	173-176	A 61 C	8/00	143	G 09 B	27/02
46-53	F 27 D	19/00	160	F 27 B	3/06	52	A 61 C	3/00	177-183	A 61 C	13/12	144-148	G 09 B	27/08
54	C 21 B	9/12	161,162	F 27 B	3/18	53	A 61 C	19/00			13/225	149	G 04 B	19/22
55-57	F 27 D	19/00	163-170	F 27 B	3/04	54-58	A 61 C	11/00	184-188	A 61 C	13/24		G 09 B	19/14
58	F 27 B	15/00	171,172	F 27 B	19/00	59	A 61 C	11/00	189	A 61 C	13/235	150	G 09 B	25/06
59,60	F 27 B	9/28	173	F 27 B	3/24	60-67	A 61 C	19/00	190	A 61 C	13/26	151	G 09 B	25/08
61	F 27 B	9/18	174	F 27 B	3/00	68,69	A 61 C	19/04	191-196	A 61 C	13/10		G 09 B	29/00
62	C 21 D	9/70	175	F 27 B	3/20	70,71	A 61 C	19/00	197,198	A 61 C	13/08	152	G 09 B	29/12
	F 24 J	2/00	176	F 27 B	3/22	72,73	A 61 C	19/00	199,1,200.1	A 61 C	13/00	153	G 09 B	29/10
63	F 02 M	15/00	177-182	F 27 D	17/00	74	A 61 C	3/00	201.1	A 61 C	8/00	154-156	G 09 B	19/00
		17/04	183	C 21 D	9/00	75	A 61 C	3/02	202.1-212.1	A 61 C	13/08	157	G 09 B	19/08
64	F 24 F	9/00	184-188	F 27 B	17/00	76	A 61 C	3/02	213	A 61 C	11/00		G 09 B	11/08
65	F 27 D	7/00	189-194	F 27 B	7/00	77-79	A 61 G	15/00	214	A 61 C	9/00	158	G 09 B	1/00
66	F 27 D	7/06	195	F 27 B	3/00	80	A 61 G	17/02	215	A 61 C	5/00	159-161	G 09 B	11/00
67-71	F 23 J		196	F 27 B	3/22	81	A 61 G	5/02	216	A 61 C	5/04	162	G 09 B	11/04
	F 27 D	17/00	197	F 27 B	15/00	82	A 61 C	1/10	217.1	A 61 C	5/08	163-165	G 09 B	11/06
72	F 23 J		198	F 27 B	5/04			1/12	218-222.1	A 61 C	5/10		G 09 B	15/00
73	F 27 D	17/00	199	F 27 D	7/04	83	A 61 C	17/02	223	A 61 C	5/02	166	B 43 L	15/00
74	F 23 J		200,201	F 27 B	5/16	84,85	A 61 C	1/10	224	A 61 C	5/02	167	G 09 B	1/00
75,76	F 27 D	23/00	202	F 27 B	5/14			1/12	225-227	A 61 C	5/04		G 09 B	19/00
77-85	F 27 D	15/02	203	F 27 B	7/04	86	A 61 C	1/07	228.1	A 61 C	5/00	168	G 09 B	1/38
86	F 27 D	15/00	204	F 26 B	5/12	87	A 61 C	1/10					G 09 B	5/00
87	F 27 D	3/00	205	F 27 B	5/04			1/12	1,2	G 09 B	9/00	169	G 09 B	1/16
88	F 27 D	23/00	206	F 27 B	11/00			3/08	3-10	G 01 S		170	G 09 B	1/34
89	F 27 B	17/00	207,208	F 27 B	5/02			1/10		G 09 B	9/00	171	G 09 B	1/40
90-92	F 27 B	19/00	209	F 27 B	5/14			1/12	11-13	F 41 A	33/00	172	G 09 B	1/24
93	F 27 D		210	F 26 B	3/00			1/12	14,15	G 09 B	19/00	173	G 09 B	1/18
94	F 27 B	3/20	211	F 27 B	3/06			1/12	16	F 41 A	33/00	174	G 09 B	1/20
		7/34	212,213	F 27 B	5/14			1/12		G 09 B	19/00		G 09 B	1/22
95-102	F 27 D	1/08	214	C 21 B	9/00			1/12	17	F 41 A	33/00	175	G 09 B	1/28
			215	F 24 H	7/00			1/12	18	F 41 A	33/00	176	G 09 B	3/02
			216-218	F 28 C	3/10			1/12	19-23	F 41 G	3/26			
			219	F 24 H	1/00			1/12						
			220-223	F 28 C	3/10			1/12						
			224-232	F 24 H	1/00			1/12						
			233	F 24 J	3/00			1/12						

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 434—Con.			303	G 09 B	23/22	37	C 12 Q	1/12	123	C 12 P	17/02	208	C 12 N	9/40
		7/02	304	G 09 B	19/12	38	C 12 Q	1/10	124	C 12 P	17/08	209	C 12 N	9/42
177	A 63 F	9/00	305	G 09 B	19/14	39	C 12 Q	1/06	125	C 12 P	17/06	210	C 12 N	9/44
178	G 09 B	17/00	306	G 09 B	9/00	40	C 12 Q	1/08	126	C 12 P	17/04	211	C 12 N	9/46
179,180	G 09 B	17/04	307-318	G 09 B	5/00	41	C 12 P	1/00	127	C 12 P	15/00	212	C 12 N	9/48
181	G 09 B	17/02	319-321	G 09 B	5/04	42	C 12 P	39/00	128	C 12 P	13/00	213	C 12 N	9/76
		17/04	322	G 09 B	3/00	43	C 12 P	37/00	129	C 12 P	13/02	214	C 12 N	9/74
182	G 09 B	17/02			7/00	44	C 12 P	37/06	130	C 12 P	11/00	215	C 12 N	9/72
183	G 09 B	17/02	323-325	G 09 B	7/00	45	C 12 P	37/04	131	C 12 P	9/00	216	C 12 N	9/70
		17/04	326	G 09 B	3/00	46	C 12 P	37/02	132	C 12 P	7/00	217	C 12 N	9/68
184	G 09 B	17/00	327	G 09 B	3/00	47	C 12 P	35/00	133	C 12 P	7/66	218	C 12 N	9/66
185	G 09 B	19/04			7/00	48	C 12 P	35/08	134	C 12 P	7/64	219	C 12 N	9/50
186	G 09 B	9/00	328-334	G 09 B	3/00	49	C 12 P	35/06	135	C 12 P	7/62	220	C 12 N	9/52
		23/00	335-344	G 09 B	7/00	50	C 12 P	35/04	136	C 12 P	7/40	221	C 12 N	9/54
		25/00	345-352	G 09 B	3/00	51	C 12 P	35/02	137	C 12 P	7/58	222	C 12 N	9/56
187,188	G 09 B	19/02	353,354	G 09 B	3/00	52	C 12 P	33/00	138	C 12 P	7/60	223	C 12 N	9/58
		23/02			7/00	53	C 12 P	33/20	139	C 12 P	7/56	224	C 12 N	9/60
189	G 09 B	19/02	355,356	G 09 B	7/00	54	C 12 P	33/12	140	C 12 P	7/54	225	C 12 N	9/62
190	G 09 B	1/08	357	G 09 B	3/00	55	C 12 P	33/16	141	C 12 P	7/52	226	C 12 N	9/64
		1/38			7/00	56	C 12 P	33/18	142	C 12 P	7/44	227	C 12 N	9/78
		19/02	358,359	G 09 B	7/00	57	C 12 P	33/14	143	C 12 P	7/50	228	C 12 N	9/80
191	G 09 B	19/02	360,361	G 09 B	3/00	58	C 12 P	33/06	144	C 12 P	7/48	229	C 12 N	9/82
192	B 43 L	1/00			7/00	59	C 12 P	33/08	145	C 12 P	7/46	230	C 12 N	9/84
	G 09 B	19/02	362	G 09 B	7/00	60	C 12 P	33/10	146	C 12 P	7/42	231	C 12 N	9/86
193-196	G 09 B	1/00	363,364	G 09 B	3/00	61	C 12 P	33/02	147	C 12 P	7/24	232	C 12 N	9/88
		19/02	365-407	G 09 B	25/00	62	C 12 P	33/04	148	C 12 P	7/26	233	C 12 N	9/90
197	G 09 B	1/24	408,409	B 43 L	1/00	63	C 12 P	31/00	149	C 12 P	7/38	234	C 12 N	9/92
		19/02	410	B 43 L	1/12	64	C 12 P	29/00	150	C 12 P	7/28	235	C 12 N	7/00
198-200	G 09 B	1/02	411-414	B 43 L	1/00	65	C 12 P	27/00	151	C 12 P	7/36	236	C 12 N	7/04
		19/02	415	B 43 L	1/00	66	C 12 P	25/00	152	C 12 P	7/34	237	C 12 N	7/08
201	G 09 B	5/00			23/00	67	C 12 P	23/00	153	C 12 P	7/32	238	C 12 N	7/06
202	G 09 B	1/00	416	B 43 L	1/00	68	C 12 P	21/00	154	C 12 P	7/30	239	C 12 N	7/02
		19/02	417	B 43 L	1/00	69	C 12 P	21/06	155	C 12 P	7/02	240.1-240.23	C 12 N	5/00
203,204	G 06 C	1/00			21/00	70	C 12 P	21/02	156	C 12 P	7/22	240.24	C 12 N	5/00
	G 09 B	19/02	418	B 43 L	1/00	71	C 12 P	21/04	157	C 12 P	7/04			5/02
205-210	G 09 B	1/00			7/00	72	C 12 P	19/00	158	C 12 P	7/18	240.241-240.243	C 12 N	5/00
		19/00	419-421	B 43 L	1/00	73	C 12 P	19/64	159	C 12 P	7/20	240.25	C 12 N	5/02
211-216	G 09 B	23/02	422-425	B 43 L	1/02	74	C 12 P	19/44	160	C 12 P	7/16	240.26-240.45	C 12 N	5/00
		23/04	426-429	G 09 B	25/00	75	C 12 P	19/60	161	C 12 P	7/06	240.46,240.47	C 12 N	5/02
217	G 09 B	19/00	430,431	G 09 B	29/00	76	C 12 P	19/62	162	C 12 P	7/14	240.48-240.5	C 12 N	5/00
		23/00	432	A 47 B	39/00	77	C 12 P	19/58	163	C 12 P	7/08	240.51,240.54	C 12 N	5/00
218	G 09 B	9/00	433	A 47 B	41/00	78	C 12 P	19/56	164	C 12 P	7/12			5/02
		19/00		G 09 B		79	C 12 P	19/46	165	C 12 P	7/10	242	C 12 N	3/00
219	G 09 B	19/00				80	C 12 P	19/48	166	C 12 P	5/00	243	C 12 N	1/00
220	G 09 B	19/14				81	C 12 P	19/54	167	C 12 P	5/02	244	C 12 N	1/38
221	G 09 B	19/00				82	C 12 P	19/50	168	C 12 P	3/00	245	C 12 N	1/36
222	G 09 B	19/26				83	C 12 P	19/52	169	C 12 P	1/06	246	C 12 N	1/34
223-226	G 09 B	19/00				84	C 12 P	19/26	170	C 12 P	1/04	247	C 12 N	1/32
227-230	G 09 B	13/00				85	C 12 P	19/28	171	C 12 P	1/02	248	C 12 N	1/26
231,232	G 09 B	13/02				86	C 12 P	19/42	172.1-172.3	C 12 N	15/00	249	C 12 N	1/28
233	G 09 B	13/00				87	C 12 P	19/38	173	C 12 N	13/00	250	C 12 N	1/30
234	G 09 B	19/00				88	C 12 P	19/40	174	C 12 N	11/00	251	C 12 N	1/24
		25/02				89	C 12 P	19/30			11/16	252	C 12 N	1/22
235-238	G 09 B	19/00				90	C 12 P	19/36	175	C 12 N	11/18	252.1	C 12 N	1/12
239-244	G 01 S	7				91	C 12 P	19/34	176	C 12 N	11/14			1/20
	G 09 B	9/00				92	C 12 P	19/32	177	C 12 N	11/02	252.2-252.9	C 12 N	1/20
245	G 09 B	19/00				93	C 12 P	1/00	178	C 12 N	11/10	253.1	C 12 N	1/12
246	A 44 C	23/00				94	C 12 P	19/24	179	C 12 N	11/12			1/20
	G 09 B	19/00				95	C 12 P	19/22	180	C 12 N	11/08	253.2-253.6	C 12 N	1/20
247-251	A 63 B	69/00				96	C 12 P	19/20	181	C 12 N	11/06	254	C 12 N	1/14
	G 09 B	9/00				97	C 12 P	19/18	182	C 12 N	11/04	255	C 12 N	1/16
		19/00				98	C 12 P	19/16	183	C 12 N	9/00	256	C 12 N	1/18
252	A 63 B	69/36				99	C 12 P	19/14	184	C 12 N	9/99	257	C 12 N	1/12
253	A 63 B	69/18				100	C 12 P	19/12	185	A 23 L	1/202	258	C 12 N	1/10
254	A 63 B	69/10				101	C 12 P	19/04	186	C 12 N	9/94	259	C 12 N	1/06
		69/12				102	C 12 P	19/10	187	C 12 N	9/98	260	C 12 N	1/04
255-259	G 09 B	19/00				103	C 12 P	19/08	188	C 12 N	9/96	261	C 12 N	1/02
260	G 09 B	19/24				104	C 12 P	19/06	189	C 12 N	9/02	262	C 07 C	
261	G 09 B	19/00				105	C 12 P	19/02	190	C 12 N	9/04		C 07 D	
262-275	G 09 B	23/28				106	C 12 P	13/04	191	C 12 N	9/06		C 07 F	
276	G 09 B	23/00				107	C 12 P	13/24	192	C 12 N	9/08		C 07 H	
277-282	G 09 B	23/26				108	C 12 P	13/22	193	C 12 N	9/10		C 07 J	
283	G 09 B	23/06				109	C 12 P	13/20	194	C 12 N	9/12		C 07 K	
284-286	G 09 B	23/00				110	C 12 P	13/14	195	C 12 N	9/14	263,264	D 06 M	16/00
		27/00				111	C 12 P	13/18	196	C 12 N	9/16	265	C 14 C	1/00
287,288	G 09 B	27/06				112	C 12 P	13/16	197	C 12 N	9/18	266	A 61 L	9/01
289	G 09 B	27/04				113	C 12 P	13/12	198	C 12 N	9/20	267	C 07 G	17/00
290-294	G 09 B	27/02				114	C 12 P	13/10	199	C 12 N	9/22	268	C 07 G	15/00
295-297	G 09 B	23/00				115	C 12 P	13/08	200	C 12 N	9/24	269	C 07 K	3/00
298	G 09 B	23/24				116	C 12 P	13/06	201	C 12 N	9/26	270	C 12 N	1/08
299	G 09 B	23/40				117	C 12 P	17/00	202	C 12 N	9/28	271	C 11 C	1/00
300	G 09 B	23/06				118	C 12 P	17/16	203	C 12 N	9/30	272,273	C 07 K	3/12
301	G 09 B	23/18				119	C 12 P	17/14	204	C 12 N	9/32	274	C 08 B	
302	G 09 B	23/08				120	C 12 P	17/12	205	C 12 N	9/34	275	C 08 B	30/04
						121	C 12 P	17/10	206	C 12 N	9/36	276	C 13 J	1/00
						122	C 12 P	17/12	207	C 12 N	9/38	277	D 21 C	1/00

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 435—Con.			138-146	G 01 N	33/00	14	H 01 L	21/324	213	H 01 L	21/56	312,313	H 01 R	13/62
278	D 21 C	3/00	147	G 01 N	25/20	15	H 01 L	21/477	214,215	H 01 L	21/60	314-319	H 01 R	4/54
279	D 01 C	1/04	148	G 01 N	7/00	16	H 01 L	21/04	216	H 01 L	21/60			13/62
280	C 07 C		149	G 01 N	25/18	17,18	H 01 L	21/26			21/449	320-323	H 01 R	4/38
	C 07 F				27/00	19	H 01 L	21/268			21/603			13/62
281,282	C 10 G	32/00	150	G 01 N	25/08	20-50	H 01 L	21/26	217,218	H 01 L	21/60	324-331	H 01 R	13/62
283	A 01 N	1/02	151,152	G 01 N	27/416	51-60	H 01 L	21/265	219	H 01 L	21/56	332-348	H 01 R	4/50
284	C 12 M	3/00	153	G 01 N	21/71			21/260			21/60			13/625
285	C 12 M	3/04	154,155	G 01 N	21/72			27/00			21/60	349-365	H 01 R	13/627
286	C 12 M	3/02	156	G 01 N	25/54	61-79	H 01 L	21/302	220-223	H 01 L	21/60	366-371	H 01 R	13/62
287	C 12 M	1/00	157	G 01 N	1/18			21/304	224	H 01 L	21/56	372,373	H 01 R	13/62
288	C 12 M	1/40			25/22			21/306	225	H 01 L	21/302			13/64
289	C 12 M	1/36	158,159	G 01 N	25/22			21/76			21/463	374-381	H 01 R	13/64
290	C 12 M	1/38	160	G 01 N	25/26	80	H 01 L	21/00	226,227	H 01 L	21/302	382-385	H 01 R	4/38
291	C 12 M	1/34	161	G 01 N	30/02			21/30			21/304			13/648
292	C 12 M	1/26	162	G 01 N	30/90	81	H 01 L	21/20			21/463	386	H 01 R	13/648
293	C 12 M	1/32	163	G 01 N	31/16			21/36	228	H 01 L	21/465	387-444	H 01 R	4/24
294	C 12 M	1/28	164	G 01 N	31/22	82	H 01 L	21/324	229	H 01 L	21/312			11/20
295	C 12 M	1/30			21/00	83-90	H 01 L	21/20			21/314			4/26
296	C 12 M	1/24	165	G 01 N	21/75	91,92	H 01 L	21/20			21/47	445-448	H 01 R	13/56
297,298	C 12 M	1/22	166-168	G 01 N	21/03			21/208			21/471	449-475	H 01 R	13/58
299	C 12 M	1/16	169,170	G 01 N	21/75			21/368	230	H 01 L	21/02	476-481	H 01 R	13/00
300	C 12 M	1/18	171	G 01 N	21/77	93-104	H 01 L	21/20	231-234	H 01 L	21/469	482	H 01 R	11/18
301	C 12 M	1/20	172	G 01 N	21/62	105-107	H 01 L	21/203			21/02			13/00
302-309	C 12 C	1/00	173	G 01 N	21/76	108-112	H 01 L	21/20	235-244	H 01 L	21/465	483-487	H 01 R	13/00
310	C 12 M	1/14	174-176	G 01 N	24/00	113	H 01 L	21/326	245,246	H 01 L	21/324	488-491	H 01 R	3/00
311	C 12 M	1/12	177,178	G 01 N	1/00	114-116	H 01 L	21/208	247,248	H 01 L	21/477	492-499	H 01 R	9/07
312	C 12 M	1/10	179,180	G 01 N	1/18			21/368			21/461			23/66
313	C 12 M	1/04	181	G 01 N	1/22	117	H 01 L	21/20	249	H 01 L	21/00	500	H 01 R	3/00
314	C 12 M	1/08	182,183	G 01 N	33/00	118-125	H 01 L	21/208	250	H 01 L		501	H 01 R	13/72
315	C 12 M	1/06	500	G 01 N	33/53	126	H 01 L	21/20				502-506	H 01 R	11/00
316	C 12 M	1/02	501	G 01 N	33/566	127-129	H 01 L	21/20				507-514	H 01 R	31/08
317.1	C 12 N	1/00	502	G 01 N	33/579			21/203	U.S. Class 439			515	H 01 R	3/00
320	C 12 N	15/00	503-505	G 01 N	33/567			21/205	ELECTRICAL CONNECTORS			516	H 01 R	27/00
822-910	C 12 N	1/00	506-509	G 01 N	33/564	130	H 01 L	21/208						29/00
		1/20	510	G 01 N	33/53	131-133	H 01 L	21/20	1-10	H 01 R	39/00	517	H 01 R	33/945
911-933	C 12 N	1/00	511	G 01 N	33/571	134-138	H 01 L	21/24			41/00	518	H 01 R	29/00
		1/14	512,513	G 01 N	33/563			21/40	11-31	H 01 R	39/00	519-524	H 01 R	13/52
934	C 12 N	1/00	514	G 01 N	33/558	139	H 01 L	21/228	32,33	H 01 R	41/00	525,526	H 05 K	1/00
		1/20	515	G 01 N	33/559			21/383	34-37	H 01 R	33/00	527-533	H 01 R	13/60
935-945	C 12 N	1/00	516	G 01 N	33/561	140	H 01 L	21/24	38-40	H 01 R	11/30			13/66
		1/14	517	G 01 N	33/557			21/40			13/60	534	H 01 R	13/60
946	C 12 N	1/12	518	G 01 N	33/543	141	H 01 L	21/22	41,42	H 01 R	13/60			35/00
947	C 12 N	1/10	519	G 01 N	33/554			21/38	43-54	H 01 R	29/00	535-543	H 01 R	13/60
948	C 12 N	1/00	520	G 01 N	33/555	142-158	H 01 R	21/22			1/056			13/66
			521	G 01 N	33/556	159	H 01 L	21/24	55-85	H 01 R	9/09	544-566	H 01 R	13/73
			522	G 01 N	33/555	160-164	H 01 L	21/225			9/09	567-570	H 01 R	13/60
			523	G 01 N	33/543			21/385	86-91	H 01 R	4/58			13/66
			524	G 01 N	33/551	165-169	H 01 L	21/223	92-108	H 01 R	4/66	571-573	H 01 R	13/73
			525,526	G 01 N	33/553			21/383			13/648			1/01
			527	G 01 N	33/552	170	H 01 L	21/14	109	H 01 R	3/00	574-576	H 01 R	13/60
			528-530	G 01 N	33/544			21/306	110-122	H 01 R	25/00			13/66
			531	G 01 N	33/545			21/326	123,124	H 01 R	13/46			33/945
1-19	G 01 N	31/00	532	G 01 N	33/549			21/465	125-130	H 01 R	13/44	577	H 01 R	9/05
20	G 01 N	33/02	533,534	G 01 N	33/546	171	H 01 L	21/479	131,132	H 01 R	13/44	578-585	H 01 R	17/04
21	G 01 N	33/04	535	G 01 N	33/544			21/306			13/60			13/40
		33/08	536	G 01 N	33/536			21/324	133-150	H 01 R	13/44	586-603	H 01 R	13/58
22	G 01 N	33/04	537	G 01 N	33/542			21/479	151	H 01 R	13/66	604-606	H 01 R	13/648
23	G 01 N	33/06	538	G 01 N	33/537	172	H 01 L	21/306	152-160	H 01 R	13/62	607-609	H 01 R	19/00
24	G 01 N	33/14	539	G 01 N	33/539			21/326	161	H 01 R	13/20			9/03
25-33	G 01 N	33/24	540	G 01 N	33/541			21/479	162-165	H 01 R	3/00	610	H 01 R	17/00
34	G 01 N	33/00	541	G 01 N	33/538	173	H 01 L	21/26	166-177	H 01 R	29/00	611-619	H 01 J	1/00
35	G 01 N	24/00	542	G 01 N	33/536			21/268	178,179	H 01 R	3/08			19/00
36	G 01 N	33/00	543	G 01 N	33/531			21/306	180	H 01 R	13/62			21/00
37	G 01 N	31/10	544	G 01 N	33/532			21/326	181-187	H 01 R	13/53			23/00
38	G 01 N	33/00	545	G 01 N	33/534			21/42	188,189	H 01 R	29/00			33/95
39-42	G 01 N	33/18	546	G 01 N	33/533			21/423	190-206	H 01 R	4/60	623	H 01 R	9/11
43-46	G 01 N	35/00	547,548	G 01 N	33/53	174	H 01 L	21/479			4/64	624	H 01 R	9/03
47-51	G 01 N	35/02						21/306	207-216	H 01 R	4/60	625	H 01 R	13/40
52-55	G 01 N	35/08						21/326	217-224	H 01 R	27/00			13/46
56	G 01 N	37/00						21/479	225	H 01 R	13/02	626	H 01 R	17/00
57-59	G 01 N	23/00							226-244	H 01 R	33/02	627	H 01 R	19/00
60,61	G 01 N	31/00									33/08			23/00
		33/03							245	H 01 R	4/56			33/00
		33/26							246-252	H 01 R	13/64			27/02
62	G 01 N	33/18							253-257	H 01 R	4/38	628	H 01 R	31/06
63-65	G 01 N	33/48							258	H 01 R	13/62	629-637	H 01 R	23/70
66,67	G 01 N	33/72							259-265	H 01 R	13/15	638-655	H 01 R	25/00
68	G 01 N	33/50									13/62			27/00
69,70	G 01 N	33/86							266-270	H 01 R	11/22			33/00
71	G 01 N	33/92							271-283	H 01 R	13/52			23/00
72	G 01 N	33/00							284-295	H 01 R	13/28			27/02
73-84	G 01 N	33/20									25/00			31/00
85	G 01 N	33/44							296-310	H 01 R	13/62			33/88
86-136	G 01 N	33/00							311	H 01 R	13/62			
137	G 01 N	33/22									13/625			

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U.S. Class 439—Con.			778-780	H 01 R	4/32			23/00	88	B 63 H	21/10	86	B 63 C	9/00
		33/90	781,782	H 01 R	4/44		B 60 L	1/14			21/38	87	B 63 C	9/06
		33/92			11/01		B 63 H	21/20	89	B 63 H	21/34	88	B 63 C	9/08
		33/94	783	H 01 R	4/50		B 63 H	23/10			21/38	89	B 63 C	9/08
656-659	H 01 R	9/03	784	H 01 R	11/09		B 63 H	21/12	90	B 63 H	1/04	90-95	B 63 C	9/125
660	H 01 R	17/00	785	H 01 R	4/46	6	B 60 L	11/02			5/02			9/15
		19/00			11/03			11/16	91	B 63 H	1/04	96,97	B 63 C	9/105
		21/00	786	H 01 R	4/48			11/18			5/03			9/125
		23/00			11/03		B 63 H	21/17	92	B 63 H	1/06			9/15
		33/00	787,788	H 01 R	11/09	7	B 60 L	15/20	93	B 63 H	1/08	98-101	B 63 C	9/125
661-667	H 01 R	17/04	789	H 01 R	4/40	8	B 63 H	9/00	94	B 63 H	1/04			9/15
		33/22	790-793	H 01 R	11/03			13/00	95-97	B 63 H	1/34			9/18
668,669	H 01 R	17/18	794	H 01 R	11/09	9,10	B 63 H	19/02	98-100	B 63 H	1/38	102-124	B 63 C	9/08
		21/22	795	H 01 R	11/03	11,12	B 63 H	21/175	101-103	B 63 H	16/04	125	B 63 C	9/28
670-674	H 01 R	13/625	796-798	H 01 R	11/09	13	B 63 H	1/30			16/10	126-128	B 63 C	9/30
		17/04	799,800	H 01 R	4/38	14,15	B 63 H	1/36	104-109	B 63 H	16/06	129-131	B 63 C	9/08
		33/46	801	H 01 R	4/30	16	B 63 H	1/30			16/07			9/28
675	H 01 R	17/04			4/38			1/37			16/073	132	B 63 C	9/08
		33/20	802	H 01 R	4/48	17	B 63 H	1/30	110	B 63 H	16/04	133	B 63 B	22/00
676	H 01 R	23/02	803	H 01 R	4/30			1/32	111	B 63 H	21/30			51/02
677-681	H 01 R	13/64	804	H 01 R	4/46			1/34	112	B 63 H	23/36	134	B 63 B	35/00
682	H 01 R	13/10	805	H 01 R	4/38	18	B 63 H	1/30	113	B 63 H	19/00	135	B 63 C	11/00
		19/00			4/50			1/32				136	B 63 B	35/85
		21/00	806	H 01 R	4/40	19,20	B 63 H	1/32	U.S. Class 441					
		23/02	807	H 01 R	4/50			1/34	BUOYS, RAFTS, AND AQUATIC DEVICES					U.S. Class 445
		33/00	808,809	H 01 R	4/34	21	B 63 H	16/00	ELECTRIC LAMP OR SPACE DISCHARGE COMPONENT OR DEVICE MANUFACTURING					
683,684	H 01 R	33/76	810-814	H 01 R	4/36	22	B 63 H	16/00	1	B 63 B	22/00		H 01 J	9/00
685	H 01 R	21/00	815	H 01 R	4/38			16/02	2	B 63 B	22/06		H 01 T	21/00
		33/72	816	H 01 R	4/48	23	B 63 H	16/00	3-5	B 63 B	22/02		H 01 J	9/50
686-690	H 01 R	13/502			11/22			16/08	6	B 63 B	22/16		H 01 J	23/08
691	H 01 R	13/15	817	H 01 R	4/48	24	B 63 H	16/08	7	B 63 B	22/08	1	H 01 J	9/50
692-694	H 01 R	13/04	818	H 01 R	4/52			16/16	8	B 63 B	22/10	2	H 01 J	23/10
		19/00	819	H 01 R	4/48	25	B 63 H	16/02	9	B 63 B	22/12		H 01 J	21/06
		21/00	820	H 01 R	4/52			16/08	10	B 63 B	22/14	4-6	H 01 J	9/00
		23/02	821	H 01 R	4/48			16/18	11	B 63 B	22/00		H 01 J	9/44
		13/502	822	H 01 R	4/48	26-31	B 63 H	16/20			45/00	7	H 01 T	21/02
695,696	H 01 R	13/04			11/24	32	B 63 H	16/18	12	B 63 B	51/02	8	H 01 J	9/00
697	H 01 R	33/00	823	H 01 R	4/52	33,34	B 63 H	19/00	13-20	B 63 B	22/00	9-15	H 01 J	9/38
698	H 01 R	17/00	824	H 01 R	13/24	35	B 63 H	19/00			45/00	16	H 01 J	9/395
699	H 01 R	13/24	825,826	H 01 R	13/05	36	B 63 H	19/00	21-27	B 63 B	22/18	17-21	H 01 J	9/38
700	H 01 R	13/502			15/08	37	B 63 H	7/00	28,29	B 63 B	22/20	22	H 01 J	9/00
701	H 01 R	13/514	827	H 01 R	13/17	38,39	B 63 H	11/00	30,31	B 63 B	22/22	23,24	H 01 J	9/20
		33/05			15/08	40	B 63 H	11/107	32	B 63 B	22/24			9/24
702-707	H 01 R	9/22	828	H 01 R	4/48	41	B 63 H	11/11	33,34	B 63 B	22/26	25	H 01 J	9/26
708-715	H 01 R	9/26	829	H 01 R	11/22	42	B 63 H	11/113	35	B 63 B	9/04	26	H 01 J	9/32
716	H 01 R	9/22	830-835	H 01 R	4/48	43	B 63 H	11/117			35/58		H 05 B	33/10
717-722	H 01 R	11/09	836,837	H 01 R	4/52	44	B 63 H	11/09	36-42	B 63 B	35/58	27,28	H 01 J	9/00
723,724	H 01 R	4/28	838	H 01 R	4/48			11/12	43	B 63 B	35/607	29	H 01 J	9/14
725,726	H 01 R	4/30	839	H 01 R	4/48			11/16	44-46	B 63 B	35/613		H 01 J	9/18
727,728	H 01 R	4/38			13/15	45	B 63 H	11/14	47-54	B 63 B	35/62		H 01 J	9/20
		4/48	840,841	H 01 R	13/33	46	B 63 H	11/01	55	A 63 B	31/00	30	H 01 J	9/236
729	H 01 R	4/18	842	H 01 R	13/11	47	B 63 H	11/103	56	A 63 B	31/10		H 01 J	9/00
730	H 01 R	4/72	843-847	H 01 R	13/187	48	B 63 H	1/26	57	A 63 B	31/02		H 01 J	9/04
		13/514			15/10	49	B 63 H	1/14	58	A 63 B	31/12		H 01 J	9/18
731	H 01 R	15/00	848-858	H 01 R	11/22	50	B 63 H	3/00	59,60	A 63 B	31/11	34	H 01 J	9/12
732	H 01 R	13/40			13/11	51	B 63 H	25/42	61-63	A 63 B	31/08	35	H 01 J	9/02
733-735	H 01 R	13/405			15/10	52	B 63 H	1/15	64	A 63 B	1/00	36	H 01 J	9/12
736	H 01 R	13/42	859-862	H 01 R	4/48	53	B 63 H	21/30	65-67	B 63 B	35/00	37	H 01 J	9/236
737-740	H 01 R	13/415	863,864	H 01 R	4/50			5/12			35/81	38-42	H 01 J	9/26
741-743	H 01 R	13/428	865-868	H 01 R	4/18			5/20	68	B 63 B	35/85	43	H 01 J	9/32
744	H 01 R	13/434	869	H 01 R	9/16			21/26	69,70	B 63 B	1/00		H 01 J	9/26
745	H 01 R	13/432			13/40	54	B 63 H	5/12	71	B 63 B	35/00	44,45	H 01 J	9/04
746-749	H 01 R	13/40	870	H 01 R	9/20	55-65	B 63 H	21/26	72	B 63 B	35/85	46	H 01 J	9/12
750	H 01 R	13/42			13/415	66	B 63 H	1/18	73	B 63 B	1/00			9/14
751	H 01 R	13/514	871	H 01 R	13/428			1/28	74	B 63 H	23/02	47	H 01 J	9/12
752	H 01 R	13/502	872	H 01 R	13/432			5/16	75	B 63 H	23/35	48	H 01 J	9/04
753	H 01 R	4/28	873	H 01 R	13/428	67	B 63 H	1/16	76-78	B 63 H	21/24	49	H 01 J	9/12
754	H 01 R	4/30	874,875	H 01 R	4/02			5/15			21/36			9/14
755	H 01 R	11/01	876	H 01 R	4/02			5/16	76-78	B 63 B	35/83	50,51	H 01 J	9/04
756	H 01 R	4/38			9/09	68-72	B 63 H	5/16	79	B 63 B	1/00		H 01 J	9/12
757	H 01 R	4/42			4/10	73	B 63 H	1/28			35/00	52	H 01 J	9/14
758	H 01 R	4/48	877-882	H 01 R	11/11	74	B 63 H	23/02			35/85	53,54	H 01 J	9/38
759	H 01 R	4/28	883	H 01 R	9/24			23/34			1/00		H 01 J	9/39
760,761	H 01 R	4/42	884-891	H 01 R	13/02			23/35			35/00		H 01 J	9/385
762-764	H 01 R	4/38			13/46	75	B 63 H	21/28			1/00		H 01 J	9/39
765,766	H 01 R	4/46	892,893	H 01 R	9/22			21/24			35/00		H 01 J	9/04
767	H 01 R	4/38	894	H 01 R	13/73			21/36			35/83		H 01 J	9/14
768	H 01 R	4/40				76-78	B 63 H	5/06			1/00		H 01 J	9/12
769	H 01 R	4/50				79	B 63 H	5/10			35/00	55	H 01 J	9/39
770	H 01 R	4/30				80-82	B 63 H	23/34			9/00	56	H 01 J	9/385
771	H 01 R	4/38				83	B 63 H	41/00			9/08	57	H 01 J	9/39
		4/50				84	B 60 K	21/21			9/32	58	H 01 J	9/00
772-774	H 01 R	11/14						21/22			9/00			
775	H 01 R	11/01						41/00			9/26			
776	H 01 R													
777	H 01 R													
U.S. Class 440			U.S. Class 440			U.S. Class 440			U.S. Class 440			U.S. Class 440		
MARINE PROPULSION			MARINE PROPULSION			MARINE PROPULSION			MARINE PROPULSION			MARINE PROPULSION		
			1	B 63 H	21/22	85-87	B 60 K	41/00						

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 445—Con.			114-116	A 63 H	33/08	289-294	A 63 H	11/10	440	A 63 H	19/20	88	A 41 C	3/06
		9/20	117	A 63 H	33/04	295	A 63 H	13/00			17/16	89-93	A 41 C	3/00
		9/22	118	A 63 H	33/06	296	A 63 H	3/00			17/18	94-96	A 41 C	1/00
59	H 01 J	9/38	119	A 63 H	33/10	297-303	A 63 H	13/02	441,442	A 63 H	17/21	97	A 41 C	1/04
	H 01 T	21/04	120,121	A 63 H	33/06	304-306	A 63 H	3/28	443	A 63 H	17/40	98-154	A 41 C	1/00
60	H 01 J	9/06	122,123	A 63 H	33/12	307	A 63 H	3/24	444	A 63 H	29/00	155	A 41 C	1/08
		9/10	124-128	A 63 H	33/08	308	A 63 H	13/14	445	A 63 H	18/00	156	A 41 C	1/00
		9/16	129-139	A 63 H	33/26	309	A 63 H	13/10	446	A 63 H	18/14			
		9/46	140	A 63 H	33/00	310	A 63 H	11/06	447	A 63 H	18/00			
		33/10	141-145	A 63 H	33/30	311,312	A 63 H	13/16	448,449	A 63 H	19/28			
61	H 05 B	9/50	146	A 63 H	13/15	313	A 63 H	11/06	450-453	A 63 H	17/26	U.S. Class 453		
62	H 01 J	9/06	147-152	A 63 H	33/38	314,315	A 63 H	3/00	454	A 63 H	33/02	COIN HANDLING		
		9/10	153	A 63 H	23/00	316	A 63 H	11/04	455	A 63 H	30/00			
		9/16	154,155	A 63 H	23/04	317	A 63 H	15/02	456	A 63 H	30/02	1	G 07 D	1/06
		9/46	156-159	A 63 H	30/00	318	A 63 H	7/00	457,458	A 63 H	30/04	2	G 07 D	1/06
		33/10	160,161	A 63 H	23/00	319	A 63 H	13/04	459	A 63 H	29/00			
63	H 01 J	9/42	162	A 63 H	23/02	320	A 63 H	3/44	460	A 63 H	29/18	3-15	G 07 D	3/00
64	H 01 J	9/44	163	A 63 H	23/04	321	A 63 H	3/36	461	A 63 H	17/36	16,17	G 07 D	9/00
65,66	H 01 J	9/46	164,165	A 63 H	23/06	322,323	A 63 H	3/12	462	A 63 H	29/24	18-29	G 07 D	1/00
	H 05 B	33/10	166,167	A 63 H	29/10	324	A 63 H	3/18	463	A 63 H	29/02	30	G 07 D	9/04
67	H 01 J	9/06	168-174	A 63 H	29/08	325,326	A 63 H	13/12	464	A 63 H	29/22	31-57	G 07 D	1/00
		9/10	175	A 63 H	30/00	327-329	A 63 H	11/08	465	A 63 H	29/00	58-60	G 07 D	9/00
		9/16	176	A 63 H	29/10	330	A 63 H	15/06	466	A 63 H	17/26			
68	H 01 J	9/236	177	A 63 H	33/40	331	A 63 H	3/14	467	A 63 H	19/02	61,62	G 07 D	9/06
69	H 01 J	9/36	178-180	A 63 H	33/40	332	A 63 H	3/20	468	A 63 H	17/36	63	G 07 D	9/00
70	H 01 J	9/38	181,182	A 63 H	5/00	333	A 63 H	11/00	469-471	A 63 H	17/26			
71	H 01 J	9/46	183	A 63 H	3/06	334,335	A 63 H	13/00	472-475	A 63 H	33/30	U.S. Class 455		
72	H 01 J	9/42	184,185	A 63 H	3/28	336	A 63 H	19/00	476-482	A 63 H	3/52	TELECOMMUNICATIONS		
73	H 01 J	9/44	186	A 63 H	29/10	337-339	A 63 H	11/00	483	A 63 H	33/30			
		9/38	187	A 63 H	27/26	340	A 63 H	13/02	484	A 63 H	17/44	1	H 04 K	3/00
			188-196	A 63 H	3/31	341-350	A 63 H	13/06	485	A 63 H	33/30	2	H 04 B	17/00
					5/00	351	A 63 H	13/02	486-491	A 63 H	33/00		H 04 H	9/00
					29/10	352,353	A 63 H	3/20				3-5	H 04 H	1/00
U.S. Class 446			197	A 63 H	13/00	354	A 63 H	3/40	U.S. Class 449			6	H 04 H	1/02
AMUSEMENT DEVICES, TOYS			202	A 63 H	33/40	355,356	A 63 H	3/48	BEE CULTURE			7,8	H 04 B	3/36
			203-209	A 63 H	5/00	357,358	A 63 H	13/00				9,10	H 04 B	7/14
1,2	A 63 H	33/04	210	A 63 H	33/40	359-361	A 63 H	11/00	1,2	A 01 K	51/00			
3	A 63 H	11/02	211,212	A 63 H	27/26	362-367	A 63 H	13/00	3,4	A 01 K	47/00	11	H 04 B	7/15
4,5	A 63 H	33/00	213-216	A 63 H	5/00	368	A 63 H	7/00	5	A 01 K	59/00	12,13	H 04 B	7/185
6	A 63 H	17/02	217,218	A 63 H	33/40	369-372	A 63 H	3/20	6	A 01 K	47/00			
7	A 63 H	17/00	219	A 63 H	33/22	373	A 63 H	19/00	7	A 01 K	57/00	14	H 04 B	3/36
8-13	A 45 C	1/12	220-226	A 63 H	3/06	374	A 63 H	3/02	8	A 01 K	49/00			
	A 63 H		227	A 63 H	33/00	375,376	A 63 H	3/36	9-11	A 01 K	53/00			
14	A 63 H	33/00	228,229	A 63 H	21/02	377	A 63 H	3/04	12	A 01 K	47/00	15-22	H 04 B	7/14
15-21	A 63 H	33/28	230-232	A 63 H	27/00	378-384	A 63 H	3/46	13,14	A 01 K	47/06	23	H 04 B	7/165
22	A 63 H	33/38	233	A 63 H	1/00	385,386	A 63 H	7/00	15-17	A 01 K	47/00	24,25	H 04 B	7/14
23	A 63 H	17/045	234,235	A 63 H	1/20	387,388	A 63 H	3/46	18-25	A 01 K	47/06	26,1	H 04 B	1/06
24	A 63 H	33/28	236-238	A 63 H	1/02			3/36	26,27	A 01 K	47/00	31-37	H 04 Q	7/00
25	A 63 H	19/14	239,240	A 63 H	1/06			3/08	28	A 01 K	49/00			
26-29	A 63 H	33/00	241	A 63 H	1/24			3/10	29-41	A 01 K	47/00	38	H 04 B	7/00
30-33	A 63 H	27/04	242	A 63 H	1/28			3/38	42-45	A 01 K	47/02			
34,35	A 63 H	27/00			1/22			46		A 01 K	47/00	39	H 04 B	7/24
36-44	A 63 H	27/127	243-245	A 63 H	1/06	389	A 63 H	3/36		A 01 K	51/00	40	H 04 B	13/02
45	A 63 H	27/00	246-249	A 63 H	1/30	390,391	A 63 H	3/38		A 01 K	53/00	41	H 04 B	5/00
			250,251	A 63 H	1/28	392	A 63 H	3/44		A 01 K	51/00	42-45	H 04 B	1/00
46-48	A 63 H	27/00	252	A 63 H	27/127	393,394	A 63 H	13/18		A 01 K	59/00	46,47	H 04 B	1/68
49-53	A 63 H	33/20	253,254	A 63 H	1/00	395	A 63 H	15/06		A 01 K	59/02	48	H 04 B	1/60
54	A 63 H	27/14	255	A 63 H	1/18	396	A 63 H	5/00		A 01 K	51/00	49	H 04 B	1/00
55	A 63 H	27/00	256	A 63 H	1/28			3/52		A 01 K	47/04			
56	A 63 H	27/26	257	A 63 H	1/08	397-404	A 63 H	33/30		A 01 K	57/00	50	H 04 B	1/10
57-62	A 63 H	27/00	258	A 63 H	1/28	405-407	A 63 H	5/00		A 01 K	59/02	51	H 04 B	1/00
63-65	A 63 H	27/14	259,260	A 63 H	1/06	408	A 63 H	17/34				52	H 04 B	7/02
66-68	A 63 H	27/00	261-263	A 63 H	1/00			5/00				53-61	H 04 B	15/00
69	A 63 H	33/00	264	A 63 H	1/28			17/34				62	H 04 B	15/00
70	A 63 H	33/32	265	A 63 H	1/06			5/00				63-65	H 04 B	17/00
71	A 63 H	33/00	266	A 63 H	1/28			17/44						
72-74	A 63 H	3/00			3/52			33/30				66	H 04 B	7/00
75	A 63 H	33/04	267	A 63 H	23/08			17/12				67	H 04 B	17/00
76,77	A 63 H				3/00			17/14				68-72	H 04 B	1/00
78	A 63 H	17/00	268	A 63 H	7/00			17/06						
79,80	A 63 H	33/16	269	A 63 H	11/00			17/08				73	H 04 B	1/38
81	A 63 H	5/00			17/00			17/14				74-77	H 04 B	1/40
82-84	A 63 J	19/00			5/00			17/12				78	H 04 B	1/44
85,86	A 63 H	33/04	270-272	A 63 H	15/04	415-422	A 63 H	17/28				79-82	H 04 B	1/46
87	A 63 H	33/14	273	A 63 H	13/00	423	A 63 H							
88	A 63 H	27/00	274	A 63 H	17/25	424	A 63 H							
89-92	A 63 H	33/04	275-277	A 63 H	11/12	425,426	A 63 H							
93-96	A 63 H	17/00	278	A 63 H	13/00	427	A 63 H							
97	A 63 H	3/16	279-284	A 63 H	7/00	428	A 63 H							
98	A 63 H	3/08			17/00	429,430	A 63 H							
99-101	A 63 H	3/16	285	A 63 H	11/10	431	A 63 H							
102-104	A 63 H	33/12			17/00	432	A 63 H							
105-110	A 63 H	33/08	286	A 63 H	17/25	433	A 63 H							
111-113	A 63 H	33/00	287,288	A 63 H		434	A 63 H							
						435-437	A 63 H							
						438,439	A 63 H							

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U.S. Class 455—Con.			U.S. Class 460			U.S. Class 464			U.S. Class 474		
U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
83	H 04 B	1/44	83	H 04 B	1/44	83	H 04 B	1/44	83	H 04 B	1/44
84-88	H 04 B	1/40	84-88	H 04 B	1/40	84-88	H 04 B	1/40	84-88	H 04 B	1/40
89-90	H 04 B	1/38	89-90	H 04 B	1/38	89-90	H 04 B	1/38	89-90	H 04 B	1/38
91-94	H 04 B	1/02	91-94	H 04 B	1/02	91-94	H 04 B	1/02	91-94	H 04 B	1/02
95-100	H 04 B	1/034	95-100	H 04 B	1/034	95-100	H 04 B	1/034	95-100	H 04 B	1/034
101	H 03 C	7/02	101	H 03 C	7/02	101	H 03 C	7/02	101	H 03 C	7/02
	H 04 B	1/02		H 04 B	1/02		H 04 B	1/02		H 04 B	1/02
102	H 04 B	1/02	102	H 04 B	1/02	102	H 04 B	1/02	102	H 04 B	1/02
		1/66			1/66			1/66			1/66
103-105	H 04 B	1/02	103-105	H 04 B	1/02	103-105	H 04 B	1/02	103-105	H 04 B	1/02
		1/04			1/04			1/04			1/04
106-108	H 03 C	1/52	106-108	H 03 C	1/52	106-108	H 03 C	1/52	106-108	H 03 C	1/52
	H 04 B	1/02		H 04 B	1/02		H 04 B	1/02		H 04 B	1/02
109	H 03 C	3/00	109	H 03 C	3/00	109	H 03 C	3/00	109	H 03 C	3/00
	H 04 B	1/68		H 04 B	1/68		H 04 B	1/68		H 04 B	1/68
110-114	H 04 B	1/04	110-114	H 04 B	1/04	110-114	H 04 B	1/04	110-114	H 04 B	1/04
115	H 03 C	1/62	115	H 03 C	1/62	115	H 03 C	1/62	115	H 03 C	1/62
	H 04 B	17/00		H 04 B	17/00		H 04 B	17/00		H 04 B	17/00
116-127	H 01 Q	11/12	116-127	H 01 Q	11/12	116-127	H 01 Q	11/12	116-127	H 01 Q	11/12
	H 04 B	1/04		H 04 B	1/04		H 04 B	1/04		H 04 B	1/04
128-132	H 04 B		128-132	H 04 B		128-132	H 04 B		128-132	H 04 B	
133-139	H 04 B	17/02	133-139	H 04 B	17/02	133-139	H 04 B	17/02	133-139	H 04 B	17/02
140-192	H 04 B		140-192	H 04 B		140-192	H 04 B		140-192	H 04 B	
193	H 04 B	1/18	193	H 04 B	1/18	193	H 04 B	1/18	193	H 04 B	1/18
194,195	H 04 B	1/16	194,195	H 04 B	1/16	194,195	H 04 B	1/16	194,195	H 04 B	1/16
196-199	H 04 B	1/26	196-199	H 04 B	1/26	196-199	H 04 B	1/26	196-199	H 04 B	1/26
200	H 04 B	1/16	200	H 04 B	1/16	200	H 04 B	1/16	200	H 04 B	1/16
201	H 04 B	1/06	201	H 04 B	1/06	201	H 04 B	1/06	201	H 04 B	1/06
		1/66			1/66			1/66			1/66
202-204	H 04 B	1/06	202-204	H 04 B	1/06	202-204	H 04 B	1/06	202-204	H 04 B	1/06
		1/68			1/68			1/68			1/68
205-211	H 04 B	1/16	205-211	H 04 B	1/16	205-211	H 04 B	1/16	205-211	H 04 B	

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 474—Con.			5	B 31 B	1/00	84	B 31 B	17/74	183,184	B 31 B	3/02	256	B 31 B	1/76
		55/36			49/00			1/60			1/50	257	B 31 B	1/80
152	F 16 H	55/30	6	B 31 B	1/60			13/00	185	B 31 B	1/26	257-259	B 31 B	1/74
153,154	F 16 H	7/02			1/62			17/00			49/02	260-263	B 31 B	1/48
		7/04			13/00	85	B 31 B	49/00	186	B 31 B	1/00	264-266	B 31 B	1/62
		7/06	7	B 31 B	49/00			43/00			19/00	267	B 31 B	1/00
155-157	F 16 H	7/06			1/62			49/02			21/00			47/02
158-160	F 16 H	55/12	8-38	B 31 B	49/00	86	B 31 B	7/14			23/00			47/04
		55/30			1/00			13/14			25/00	268	B 31 B	1/00
161	F 16 H	55/06	39-50	B 31 C	13/00	87	B 31 B	1/84			27/00			49/00
162,163	F 16 H	55/12	51	B 31 B	1/00	88	B 31 B	1/85			29/00			49/04
		55/14			49/00	89	B 31 B	1/70			31/00	269	B 31 C	1/00
164	F 16 H	55/30	52	B 31 B	1/00			1/72			33/00			3/00
165	F 16 H	7/20			7/00			7/00			39/00			5/00
		55/30			9/00			15/00			49/04	270	B 31 C	11/00
166	F 16 H	55/36			11/00	90-92	B 31 B	11/00	187,188	B 31 B	1/88	271	B 31 C	11/02
167	F 16 H	7/02			13/00	93-101	B 31 B	7/00	189-209	B 31 B	1/64	272,273	B 31 C	11/04
		7/04	53-55	B 31 B	1/88	102-109	B 31 B	1/90			49/04	274	B 31 C	11/06
168-170	F 16 H	55/49	56,57	B 31 B	1/14	110	B 31 B	1/00	210	B 31 B	1/60	275-286	B 31 C	11/04
		55/50			3/14			7/00			19/60	287-290	B 31 C	11/02
171	F 16 H	55/36			5/14			17/00			39/00	291	B 31 C	11/00
172,173	F 16 H	7/18			7/14	111-113	B 31 B	15/00			41/00	292	B 31 C	13/00
174-189	F 16 H	55/36			9/14	114,115	B 31 B	1/60	211	B 31 B	1/00	293	B 31 C	11/00
190-194	F 16 H	55/48			11/14	116,117	B 31 B	1/72			49/04	294	B 31 C	11/04
195,196	F 16 H	55/40			13/14	118,119	B 31 B	1/68	212	B 31 B	1/90			13/00
197-199	F 16 H	7/20			15/14			1/70	213	B 31 B	1/84	295	B 31 C	13/00
		55/36			17/14	120	B 31 B	1/92	214-216	B 31 B	1/90	296	B 31 C	7/00
200	F 16 G	1/00	58	B 31 B	1/88			7/02	217	B 31 B	39/00	297	B 31 C	1/06
201	F 16 G	1/00	59-61	B 31 B	1/25	121	B 31 B	11/02	218,219	B 31 B	1/90			3/02
		5/00	62	B 31 B	1/16			13/02	220	B 31 B	1/60			7/06
202-205	F 16 G	1/28			1/20	122	B 31 B	15/02			49/04			13/00
		5/20	63	B 31 B	1/14			1/06	221	B 31 B	1/62	298	B 31 C	7/02
206-209	F 16 G	13/02			3/14			7/02			1/86			7/10
210,211	F 16 G	13/10			5/14			11/02	222	B 31 B	1/82			13/00
212-217	F 16 G	13/04			7/14			13/02	223	B 31 B	1/14	299	B 31 C	1/00
218	F 16 G	15/10			11/14			15/02	224	B 31 B	1/16	300,301	B 31 C	1/08
219-225	F 16 G	13/02			13/14			17/02	225	B 31 B	1/90	302	B 31 C	13/00
		15/00			15/14	123-125	B 31 B	1/12	226	B 31 B	1/86	303-307	B 31 C	3/00
226-236	F 16 G	13/02			17/14	126,127	B 31 B	1/10	227	B 31 B	1/14			13/00
237	F 16 G	1/00			1/14			1/60	228	B 31 B	1/25	308	B 31 C	1/04
		5/00	64-66	B 31 B	49/02	128	B 31 B	1/62	229	B 31 B	1/22			3/04
		9/00			13/00			3/60	230	B 31 B	1/14	309-312	B 31 B	1/78
238	F 16 G	5/00	67	B 31 B	17/00			5/60			27/14	313-317	B 31 B	1/80
239	F 16 G	1/18			1/14			7/60	231	B 31 B	1/26	318,319	B 31 B	1/78
		9/00	68,69	B 31 B	1/26			9/60	232	B 31 B	1/22	320	B 31 B	1/88
240-248	F 16 G	1/21			1/60			11/60	233,234	B 31 B	1/14	321	B 41 F	13/54
		1/22			49/00			13/60			27/14	322	B 31 B	1/88
		5/16	70	B 31 B	1/48			15/60	235	B 31 B	1/14		B 31 F	7/00
249-252	F 16 G	1/28			1/02			17/60			1/26		B 41 F	3/20
		5/20	71,72	B 31 B	1/36	129	B 31 B	1/64			19/14	323	B 31 B	1/88
253	F 16 G	3/00			3/02	130-132	B 31 B	1/62			21/14		B 31 F	7/00
		7/00			5/02	133-135	B 31 B	1/64			49/00		B 41 F	11/00
254	F 16 G	3/10			7/02	136	B 31 B	1/48	236	B 31 B	1/14	324,325	B 31 B	1/88
		7/00			9/02	137-140	B 31 B	1/50			19/14		B 31 F	7/00
255,256	F 16 G	3/00			11/02	141-146	B 31 B	1/62			21/14		B 41 F	13/56
		7/00			13/02			49/02			49/00	326	B 31 F	1/00
		11/00			15/02	147	B 31 B	1/04	237	B 31 B	1/22			7/00
257	F 16 G	3/08			1/14	148-151	B 31 B	1/62	238	B 31 B	27/14	327	B 31 F	7/02
		7/00	73	B 31 B	3/14	152-159	B 31 B	1/28	239	B 31 B	1/16	328	B 31 B	1/62
258	F 16 G	3/10			11/14			1/44	240-242	B 31 B	1/25	329	B 05 C	3/00
		3/12			1/16			1/74	243,244	B 31 B	1/26		B 31 B	1/62
259-264	F 16 G	1/00	74	B 31 B	1/60			49/02			19/26		B 31 F	5/04
		5/00	75-77	B 31 B	13/00			21/26			21/26	330	B 05 C	1/00
		9/00			1/62	160,161	B 31 B	1/25			23/26		B 31 D	1/62
265	F 16 G	5/00	78	B 31 B	1/26	162	B 31 B	3/00			25/26			
266-268	F 16 G	1/04	79	B 31 B	7/26	163-166	B 31 B	1/28			27/26	331-337	B 05 C	1/00
269	F 16 G	1/02			9/26			3/00			29/26		B 05 D	5/10
270	F 16 G	1/04			11/26	167-174	B 31 B	1/44			31/26	338,339	B 31 B	43/00
		1/12			13/26			3/74			33/26	340-372	B 31 B	1/14
271	F 16 G	1/02			15/26	175	B 31 B	1/28			35/26			49/00
		1/10			17/26	176	B 31 B	1/28			37/26		B 31 F	5/02
272	F 16 G	1/20	80	B 31 B	1/48			1/52	245	B 31 B	1/48			7/00
273	F 16 G		81	B 31 B	1/02	177,178	B 31 B	1/02	246	B 31 B	1/26	373	B 31 B	49/00
					1/14			1/26	247	B 31 B	1/32	374	B 31 B	13/00
					1/36			3/02	248	B 31 B	1/36			17/00
			82	B 31 B	1/14	179	B 31 B	1/58	249	B 31 B	1/26		B 31 D	49/00
					1/74			3/02	250	B 31 B	1/28			1/00
			83	B 31 B	1/14	180	B 31 B	1/04			1/44			3/00
					3/74			1/26	251	B 31 B	1/36			5/00
					5/74			1/36			1/44	375,376	B 31 B	1/90
					7/74	181	B 31 B	1/04	252	B 31 B	1/28		B 31 D	1/02
					9/74			1/26	253	B 31 B	25/26	377	B 31 B	1/90
					11/74			1/36	254	B 31 B	21/26	378	B 31 F	5/00
1-3	B 31 B	1/00			13/74			1/76			23/26	379-381	B 31 B	49/00
		49/00			15/74	182	B 31 B	1/58	255	B 31 B	1/60		B 31 D	1/00
4	B 31 C	13/00												

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U.S. Class 493—Con.			U.S. Class 494			U.S. Class 495			U.S. Class 496			U.S. Class 497			U.S. Class 498			U.S. Class 499			U.S. Class 500			U.S. Class 501			U.S. Class 502			U.S. Class 503			U.S. Class 504			U.S. Class 505			U.S. Class 506			U.S. Class 507			U.S. Class 508			U.S. Class 509			U.S. Class 510			U.S. Class 511			U.S. Class 512			U.S. Class 513			U.S. Class 514			U.S. Class 515			U.S. Class 516			U.S. Class 517			U.S. Class 518			U.S. Class 519			U.S. Class 520			U.S. Class 521			U.S. Class 522			U.S. Class 523			U.S. Class 524			U.S. Class 525			U.S. Class 526			U.S. Class 527			U.S. Class 528			U.S. Class 529			U.S. Class 530			U.S. Class 531			U.S. Class 532			U.S. Class 533			U.S. Class 534			U.S. Class 535			U.S. Class 536			U.S. Class 537			U.S. Class 538			U.S. Class 539			U.S. Class 540			U.S. Class 541			U.S. Class 542			U.S. Class 543			U.S. Class 544			U.S. Class 545			U.S. Class 546			U.S. Class 547			U.S. Class 548			U.S. Class 549			U.S. Class 550			U.S. Class 551			U.S. Class 552			U.S. Class 553			U.S. Class 554			U.S. Class 555			U.S. Class 556			U.S. Class 557			U.S. Class 558			U.S. Class 559			U.S. Class 560			U.S. Class 561			U.S. Class 562			U.S. Class 563			U.S. Class 564			U.S. Class 565			U.S. Class 566			U.S. Class 567			U.S. Class 568			U.S. Class 569			U.S. Class 570			U.S. Class 571			U.S. Class 572			U.S. Class 573			U.S. Class 574			U.S. Class 575			U.S. Class 576			U.S. Class 577			U.S. Class 578			U.S. Class 579			U.S. Class 580			U.S. Class 581			U.S. Class 582			U.S. Class 583			U.S. Class 584			U.S. Class 585			U.S. Class 586			U.S. Class 587			U.S. Class 588			U.S. Class 589			U.S. Class 590			U.S. Class 591			U.S. Class 592			U.S. Class 593			U.S. Class 594			U.S. Class 595			U.S. Class 596			U.S. Class 597			U.S. Class 598			U.S. Class 599			U.S. Class 600			U.S. Class 601			U.S. Class 602			U.S. Class 603			U.S. Class 604			U.S. Class 605			U.S. Class 606			U.S. Class 607			U.S. Class 608			U.S. Class 609			U.S. Class 610			U.S. Class 611			U.S. Class 612			U.S. Class 613			U.S. Class 614			U.S. Class 615			U.S. Class 616			U.S. Class 617			U.S. Class 618			U.S. Class 619			U.S. Class 620			U.S. Class 621			U.S. Class 622			U.S. Class 623			U.S. Class 624			U.S. Class 625			U.S. Class 626			U.S. Class 627			U.S. Class 628			U.S. Class 629			U.S. Class 630			U.S. Class 631			U.S. Class 632			U.S. Class 633			U.S. Class 634			U.S. Class 635			U.S. Class 636			U.S. Class 637			U.S. Class 638			U.S. Class 639			U.S. Class 640			U.S. Class 641			U.S. Class 642			U.S. Class 643			U.S. Class 644			U.S. Class 645			U.S. Class 646			U.S. Class 647			U.S. Class 648			U.S. Class 649			U.S. Class 650			U.S. Class 651			U.S. Class 652			U.S. Class 653			U.S. Class 654			U.S. Class 655			U.S. Class 656			U.S. Class 657			U.S. Class 658			U.S. Class 659			U.S. Class 660			U.S. Class 661			U.S. Class 662			U.S. Class 663			U.S. Class 664			U.S. Class 665			U.S. Class 666			U.S. Class 667			U.S. Class 668			U.S. Class 669			U.S. Class 670			U.S. Class 671			U.S. Class 672			U.S. Class 673			U.S. Class 674			U.S. Class 675			U.S. Class 676			U.S. Class 677			U.S. Class 678			U.S. Class 679			U.S. Class 680			U.S. Class 681			U.S. Class 682			U.S. Class 683			U.S. Class 684			U.S. Class 685			U.S. Class 686			U.S. Class 687			U.S. Class 688			U.S. Class 689			U.S. Class 690			U.S. Class 691			U.S. Class 692			U.S. Class 693			U.S. Class 694			U.S. Class 695			U.S. Class 696			U.S. Class 697			U.S. Class 698			U.S. Class 699			U.S. Class 700			U.S. Class 701			U.S. Class 702			U.S. Class 703			U.S. Class 704			U.S. Class 705			U.S. Class 706			U.S. Class 707			U.S. Class 708			U.S. Class 709			U.S. Class 710			U.S. Class 711			U.S. Class 712			U.S. Class 713			U.S. Class 714			U.S. Class 715			U.S. Class 716			U.S. Class 717			U.S. Class 718			U.S. Class 719			U.S. Class 720			U.S. Class 721			U.S. Class 722			U.S. Class 723			U.S. Class 724			U.S. Class 725			U.S. Class 726			U.S. Class 727			U.S. Class 728			U.S. Class 729			U.S. Class 730			U.S. Class 731			U.S. Class 732			U.S. Class 733			U.S. Class 734			U.S. Class 735			U.S. Class 736			U.S. Class 737			U.S. Class 738			U.S. Class 739			U.S. Class 740			U.S. Class 741			U.S. Class 742			U.S. Class 743			U.S. Class 744			U.S. Class 745			U.S. Class 746			U.S. Class 747			U.S. Class 748			U.S. Class 749			U.S. Class 750			U.S. Class 751			U.S. Class 752			U.S. Class 753			U.S. Class 754			U.S. Class 755			U.S. Class 756			U.S. Class 757			U.S. Class 758			U.S. Class 759			U.S. Class 760			U.S. Class 761			U.S. Class 762			U.S. Class 763			U.S. Class 764			U.S. Class 765			U.S. Class 766			U.S. Class 767			U.S. Class 768			U.S. Class 769			U.S. Class 770			U.S. Class 771			U.S. Class 772			U.S. Class 773			U.S. Class 774			U.S. Class 775			U.S. Class 776			U.S. Class 777			U.S. Class 778			U.S. Class 779			U.S. Class 780			U.S. Class 781			U.S. Class 782			U.S. Class 783			U.S. Class 784			U.S. Class 785			U.S. Class 786			U.S. Class 787			U.S. Class 788			U.S. Class 789			U.S. Class 790			U.S. Class 791			U.S. Class 792			U.S. Class 793			U.S. Class 794			U.S. Class 795			U.S. Class 796			U.S. Class 797			U.S. Class 798			U.S. Class 799			U.S. Class 800			U.S. Class 801			U.S. Class 802			U.S. Class 803			U.S. Class 804			U.S. Class 805			U.S. Class 806			U.S. Class 807			U.S. Class 808			U.S. Class 809			U.S. Class 810			U.S. Class 811			U.S. Class 812			U.S. Class 813			U.S. Class 814			U.S. Class 815			U.S. Class 816			U.S. Class 817			U.S. Class 818			U.S. Class 819			U.S. Class 820			U.S. Class 821			U.S. Class 822			U.S. Class 823			U.S. Class 824			U.S. Class 825			U.S. Class 826			U.S. Class 827			U.S. Class 828			U.S. Class 829			U.S. Class 830			U.S. Class 831			U.S. Class 832			U.S. Class 833			U.S. Class 834			U.S. Class 835			U.S. Class 836			U.S. Class 837			U.S. Class 838			U.S. Class 839			U.S. Class 840			U.S. Class 841			U.S. Class 842			U.S. Class 843			U.S. Class 844			U.S. Class 845			U.S. Class 846			U.S. Class 847			U.S. Class 848			U.S. Class 849			U.S. Class 850			U.S. Class 851			U.S. Class 852			U.S. Class 853			U.S. Class 854			U.S. Class 855			U.S. Class 856			U.S. Class 857			U.S. Class 858			U.S. Class 859			U.S. Class 860			U.S. Class 861			U.S. Class 862			U.S. Class 863			U.S. Class 864			U.S. Class 865			U.S. Class 866			U.S. Class 867			U.S. Class 868			U.S. Class 869			U.S. Class 870			U.S. Class 871			U.S. Class 872			U.S. Class 873			U.S. Class 874			U.S. Class 875			U.S. Class 876			U.S. Class 877			U.S. Class 878			U.S. Class 879			U.S. Class 880			U.S. Class 881			U.S. Class 882			U.S. Class 883			U.S. Class 884			U.S. Class 885			U.S. Class 886			U.S. Class 887			U.S. Class 888			U.S. Class 889			U.S. Class 890			U.S. Class 891			U.S. Class 892			U.S. Class 893			U.S. Class 894			U.S. Class 895			U.S. Class 896			U.S. Class 897			U.S. Class 898			U.S. Class 899			U.S. Class 900			U.S. Class 901			U.S. Class 902			U.S. Class 903			U.S. Class 904			U.S. Class 905			U.S. Class 906			U.S. Class 907			U.S. Class 908			U.S. Class 909			U.S. Class 910			U.S. Class 911			U.S. Class 912			U.S. Class 913			U.S. Class 914			U.S. Class 915			U.S. Class 916			U.S. Class 917			U.S. Class 918			U.S. Class 919			U.S. Class 920			U.S. Class 921			U.S. Class 922			U.S. Class 923			U.S. Class 924			U.S. Class 925			U.S. Class 926			U.S. Class 927			U.S. Class 928			U.S. Class 929			U.S. Class 930			U.S. Class 931			U.S. Class 932			U.S. Class 933			U.S. Class 934			U.S. Class 935			U.S. Class 936			U.S. Class 937			U.S. Class 938			U.S. Class 939			U.S. Class 940			U.S. Class 941			U.S. Class 942			U.S. Class 943			U.S. Class 944			U.S. Class 945			U.S. Class 946			U.S. Class 947			U.S. Class 948			U.S. Class 949			U.S. Class 950			U.S. Class 951			U.S. Class 952			U.S. Class 953			U.S. Class 954			U.S. Class 955			U.S. Class 956			U.S. Class 957			U.S. Class 958			U.S. Class 959			U.S. Class 960			U.S. Class 961			U.S. Class 962			U.S. Class 963			U.S. Class 964			U.S. Class 965			U.S. Class 966			U.S. Class 967			U.S. Class 968			U.S. Class 969			U.S. Class 970			U.S. Class 971			U.S. Class 972			U.S. Class 973			U.S. Class 974			U.S. Class 975			U.S. Class 976			U.S. Class 977			U.S. Class 978			U.S. Class 979			U.S. Class 980			U.S. Class 981			U.S. Class 982			U.S. Class 983			U.S. Class 984			U.S. Class 985			U.S. Class 986			U.S. Class 987			U.S. Class 988			U.S. Class 989			U.S. Class 990			U.S. Class 991			U.S. Class 992			U.S. Class 993			U.S. Class 994			U.S. Class 995			U.S. Class 996			U.S. Class 997			U.S. Class 998			U.S. Class 999			U.S. Class 1000			U.S. Class 1001			U.S. Class 1002			U.S. Class 1003			U.S. Class 1004			U.S. Class 1005			U.S. Class 1006			U.S. Class 1007			U.S. Class 1008			U.S. Class 1009			U.S. Class 1010			U.S. Class 1011			U.S. Class 1012			U.S. Class 1013			U.S. Class 1014			U.S. Class 1015			U.S. Class 1016			U.S. Class 1017			U.S. Class 1018			U.S. Class 1019			U.S. Class 1020			U.S. Class 1021			U.S. Class 1022			U.S. Class 1023			U.S. Class 1024			U.S. Class 1025			U.S. Class 1026			U.S. Class 1027			U.S. Class 1028			U.S. Class 1029			U.S. Class 1030			U.S. Class 1031			U.S. Class 1032			U.S. Class 1033			U.S. Class 1034			U.S. Class 1035			U.S. Class 1036			U.S. Class 1037			U.S. Class 1038			U.S. Class 1039			U.S. Class 1040			U.S. Class 1041			U.S. Class 1042			U.S. Class 1043			U.S. Class 1044			U.S. Class 1045			U.S. Class 1046			U.S. Class 1047			U.S. Class 1048			U.S. Class 1049			U.S. Class 1050			U.S. Class 1051			U.S. Class 1052			U.S. Class 1053			U.S. Class 1054			U.S. Class 1055			U.S. Class 1056			U.S. Class 1057			U.S. Class 1058			U.S. Class 1059			U.S. Class 1060			U.S. Class 1061			U.S. Class 1062			U.S. Class 1063			U.S. Class 1064			U.S. Class 1065			U.S. Class 1066			U.S. Class 1067			U.S. Class 1068			U.S. Class 1069			U.S. Class 1070			U.S. Class 1071			U.S. Class 1072			U.S. Class 1073			U.S. Class 1074			U.S. Class 1075			U.S. Class 1076			U.S. Class 1077			U.S. Class 1078			U.S. Class 1079			U.S. Class 1080			U.S. Class 1081			U.S. Class 1082			U.S. Class 1083			U.S. Class 1084			U.S. Class 1085			U.S. Class 1086			U.S. Class 1087			U.S. Class 1088			U.S. Class 1089			U.S. Class 1090			U.S. Class 1091			U.S. Class 1092			U.S. Class 1093			U.S. Class 1094			U.S. Class 1095			U.S. Class 1096			U.S. Class 1097			U.S. Class 1098			U.S. Class 1099			U.S. Class 1100			U.S. Class 1101			U.S. Class 1102			U.S. Class 1103			U.S. Class 1104			U.S. Class 1105			U.S. Class 1106			U.S. Class 1107			U.S. Class 1108			U.S. Class 1109			U.S. Class 1110			U.S. Class 1111			U.S. Class 1112			U.S. Class 1113			U.S. Class 1114			U.S. Class 1115			U.S. Class 1116			U.S. Class 1117			U.S. Class 1118			U.S. Class 1119			U.S. Class 1120			U.S. Class 1121			U.S. Class 1122			U.S. Class 1123			U.S. Class 1124			U.S. Class 1125			U.S. Class 1126			U.S. Class 1127			U.S. Class 1128			U.S. Class 1129			U.S. Class 1130			U.S. Class 1131			U.S. Class 1132			U.S. Class 1133			U.S. Class 1134			U.S. Class 1135			U.S. Class 1136			U.S. Class 1137			U.S. Class 1138			U.S. Class 1139			U.S. Class 1140			U.S. Class 1141			U.S. Class 1142			U.S. Class 1143			U.S. Class 1144			U.S. Class 1145			U.S. Class 1146			U.S. Class 1147			U.S. Class 1148			U.S. Class 1149			U.S. Class 1150			U.S. Class 1151			U.S. Class 1152			U.S. Class 1153			U.S. Class 1154			U.S. Class 1155			U.S. Class 1156			U.S. Class 1157			U.S. Class 1158			U.S. Class 1159			U.S. Class 1160			U.S. Class 1161			U.S. Class 1162			U.S. Class 1163			U.S. Class 1164			U.S. Class 1165			U.S. Class 1166			U.S. Class 1167			U.S. Class 1168			U.S. Class 1169			U.S. Class 1170			U.S. Class 1171			U.S. Class 1172			U.S. Class 1173			U.S. Class 1174			U.S. Class 1175			U.S. Class 1176			U.S. Class 1177			U.S. Class 1178			U.S. Class 1179			U.S. Class 1180			U.S. Class 1181			U.S. Class 1182			U.S. Class 1183			U.S. Class 1184			U.S. Class 1185			U.S. Class 1186			U.S. Class 1187			U.S. Class 1188			U.S. Class 1189			U.S. Class 1190			U.S. Class 1191			U.S. Class 1192			U.S. Class 1193			U.S. Class 1194			U.S. Class 1195			U.S. Class 1196			U.S. Class 1197			U.S. Class 1198			U.S. Class 1199			U.S. Class 1200			U.S. Class 1201			U.S. Class 1202			U.S. Class 1203			U.S. Class 1204			U.S. Class 1205			U.S. Class 1206			U.S. Class 1207			U.S. Class 1208			U.S. Class 1209			U.S. Class 1210			U.S. Class 1211			U.S. Class 1212			U.S. Class 1213			U.S. Class 1214			U.S. Class 1215			U.S. Class 1216			U.S. Class 1217			U.S. Class 1218			U.S. Class 1219			U.S. Class 1220			U.S. Class 1221			U.S. Class 1222			U.S. Class 1223			U.S. Class 1224			U.S. Class 1225			U.S. Class 1226			U.S. Class 1227			U.S. Class 1228			U.S. Class 1229			U.S. Class 1230			U.S. Class 1231			U.S. Class 1232			U.S. Class 1233			U.S. Class 1234			U.S. Class 1235			U.S. Class 1236			U.S. Class 1237			U.S. Class 1238			U.S. Class 1239			U.S. Class 1240			U.S. Class 1241			U.S. Class 1242			U.S. Class 1243			U.S. Class 1244			U.S. Class 1245			U.S. Class 1246			U.S. Class 1247			U.S. Class 1248			U.S. Class 1249			U.S. Class 1250		
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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 502—Con.														
26	B 01 J	20/34	175	B 01 J	27/20	349-352	B 01 J	23/00	822	B 22 C		891	F 28 D	15/02
		38/66	176	B 01 J	27/26	353	B 01 J	23/16		B 22 D		892	F 25 B	21/00
27	B 01 J	20/34	177	B 01 J	27/236			23/18		B 22 F			H 01 F	5/08
		38/60	178	B 01 J	27/22	354	B 01 J	23/20		B 29 C				7/22
28	B 01 J	20/34	179	B 01 J	27/224	355	B 01 J	23/20	823	B 22 F		893	G 01 J	3/00
		38/62	180	B 01 J	27/228			23/08	824	H 01 L		894,895	F 25 B	9/00
29	B 01 J	20/34	181	B 01 J	21/18	400	B 01 J	20/00		H 02 M				9/02
		38/50	182	B 01 J	21/18	401	B 01 J	20/22	825	H 01 L	39/00	896	F 25 B	15/00
30	B 01 J	20/34	183	B 01 J	21/18	402	B 01 J	20/26	826	B 05 C				17/00
		38/58			23/00	403,404	B 01 J	20/00	827	H 03 M	1/00	897	F 17 C	
31	B 01 J	20/34			21/18	405,406	B 01 J	20/02	828	H 01 P	1/11		F 17 D	
		38/56			23/02	407-412	B 01 J	20/10		H 03 D	1/00		F 25 B	41/00
32	B 01 J	20/34	184	B 01 J	23/06			20/12	829	G 06 F	1/00	898	F 17 C	1/00
		38/54			21/18			20/14	830	H 03 K	23/76			3/00
33	B 01 J	20/34			23/02	413	B 01 J	20/18	831-834	G 11 C	11/44	899	F 25 B	
		38/52			23/72	414,415	B 01 J	20/20	835	G 11 C	15/06		F 25 D	
34	B 01 J	20/34	185	B 01 J	21/18	416-438	B 01 J	20/00	836,837	G 11 C	19/08	900	F 28 C	
		38/04			23/40	439	B 01 J	20/02	838,839	G 11 C	11/02		F 28 D	
35	B 01 J	20/34			23/74			21/04	840	G 11 C	11/065	901	F 28 F	
		38/42	200	B 01 J	27/24			23/02	841	G 01 C	21/08	902	F 28 D	15/02
36	B 01 J	20/34	201	B 01 J	27/25	U.S. Class 503			842,843	G 01 N	24/00		B 60 L	
		38/46	202-207	B 01 J	21/02	RECORD RECEIVER HAVING PLURAL				G 01 R	27/00	903	B 60 L	13/04
37	B 01 J	20/34	208	B 01 J	27/14	LEAVES OR A COLORLESS COLOR			844	G 01 R	33/035	904	B 60 L	13/06
		38/44			27/186	FORMER, METHOD OF USE OR					33/20			13/10
38	B 01 J	20/34			27/187	DEVELOPER THEREFOR			845	G 01 R	33/02	905	B 60 L	13/02
		38/12			27/199						33/035	906-908	B 60 L	13/04
39	B 01 J	20/34	209	B 01 J	27/198				846	G 01 R	33/035	909	F 01 B	
		38/40	210	B 01 J	27/188				847	G 01 K	17/00		F 01 D	
40	B 01 J	20/34	211	B 01 J	27/19	200-227	B 41 M	5/20	848	G 01 K	7/00		F 01 K	
		38/38	212	B 01 J	27/192			5/24	849	G 01 J	1/00		F 02 B	
41	B 01 J	20/34	213	B 01 J	27/185	U.S. Class 505			850	H 01 H	71/00		F 02 C	
		38/30	214	B 01 J	27/182	SUPERCONDUCTOR TECHNOLOGY -				H 02 H	1/00		F 02 K	
42	B 01 J	20/34	215	B 01 J	27/057	APPARATUS, MATERIAL, PROCESS			851	H 02 J	15/00		F 03 B	
		38/36	216	B 01 J	27/02				852	H 02 P	3/00	910	F 03 C	
43	B 01 J	20/34	217	B 01 J	27/053				853	H 03 B	5/00		F 04 B	
		38/34	218	B 01 J	27/055						7/00		F 04 C	
44	B 01 J	20/34	219	B 01 J	27/047						9/00	911	F 04 D	
		38/32	220	B 01 J	27/051						11/00		F 03 B	1/02
45	B 01 J	20/34	221	B 01 J	27/049	1	H 01 B	12/00			13/00			3/12
		38/22	222	B 01 J	27/043		H 01 L	39/12			15/00	912,913	B 22 D	3/16
46	B 01 J	20/34	223	B 01 J	27/045	800	C 01 B				17/00		B 22 D	27/02
		38/28	224	B 01 J	27/06		C 01 D				19/00	914	B 22 D	19/00
47	B 01 J	20/34	225	B 01 J	27/122		C 01 F				21/00	915	B 22 D	11/00
		38/26	226	B 01 J	27/138		C 01 G				23/00	916	B 23 P	17/04
48	B 01 J	20/34	227	B 01 J	27/135		C 04 B	35/00			25/00	917	H 01 L	39/24
		38/24	228	B 01 J	27/132		C 07 C				28/00	918	C 22 F	1/00
49	B 01 J	20/34	229	B 01 J	27/128		C 07 D				7/00	919	C 23 C	10/00
		38/20	230	B 01 J	27/13		C 07 F		854	H 03 B	3/00	920	C 23 C	10/04
50	B 01 J	20/34	231	B 01 J	27/125	801	C 03 C		855	H 03 F	1/00	921	C 23 C	10/02
		38/18	232-263	B 01 J	21/08		C 04 B		856	H 04 B	39/00	922	H 01 L	39/24
51	B 01 J	20/34			21/12		C 09 K		857	H 01 L	19/195	923	H 01 L	21/70
		38/16			21/14		C 22 B		858,859	H 03 K	19/20		H 05 K	13/00
52	B 01 J	20/34	300	B 01 J	23/00	802	C 07 C				17/92	924	H 01 F	41/04
		38/14	301	B 01 J	25/00		C 07 D		860-862	H 03 K	3/00	925	H 01 R	43/00
53	B 01 J	20/34			25/02	803	C 07 F		863,864	H 03 K	3/38	926	B 23 P	17/04
		38/10			25/04		C 04 B	35/00			3/38	927	B 23 K	1/00
54	B 01 J	20/34	302-323	B 01 J	23/00		C 09 D	5/23	865	H 03 K	3/38		H 01 R	43/02
		38/08	324	B 01 J	23/32		H 01 F	1/00	866	H 01 P	1/00	928	B 21 C	37/00
55	B 01 J	20/34	325	B 01 J	23/00	804-806	C 22 C		867	H 02 M	5/00		H 01 L	39/24
		38/06	326,327	B 01 J	23/40	807	C 22 B		868	H 02 M	7/00	929	B 21 C	23/00
56	B 01 J	20/34			23/42		C 22 C		869,870	H 01 F	36/00		H 01 L	39/24
		38/02	328	B 01 J	23/58	808	C 09 K	19/00	871	H 01 J	3/00	930	B 21 C	1/00
60	B 01 J	29/04	329	B 01 J	23/60	809	C 04 B		872	H 04 B	3/28		H 01 L	39/24
		29/28	330	B 01 J	23/58	810	C 01 B		873	H 01 L	39/00	931-933	B 03 C	1/00
61,62	B 01 J	29/04	331	B 01 J	23/72		C 01 C		874	H 01 L	39/22			
63-71	B 01 J	29/06	332	B 01 J	23/56		C 01 D		875	H 01 L	39/02			
72	B 01 J	27/16	333	B 01 J	23/44		C 01 F		876,877	H 02 K	55/00			
73-77	B 01 J	21/00	334	B 01 J	23/42		C 01 G		878	H 02 K	9/00			
		29/00	335	B 01 J	23/00	811	C 07 C		879	H 01 F	7/06			
78	B 01 J	29/18	336	B 01 J	23/70		C 07 D				7/22			
79	B 01 J	29/08			23/74		C 07 F		880	H 01 F	7/22			
80-84	B 01 J	21/16	337	B 01 J	23/00	812	B 22 C				17/00			
85-87	B 01 J	29/04	338	B 01 J	23/70	813	H 01 B	12/00	881	H 01 L	43/00	1-4	A 61 K	7/46
100	B 01 J	21/00			23/74	814	C 22 B		882	H 01 H	1/00	5	C 11 B	9/00
		23/00	339	B 01 J	23/42	815	C 04 B		883	H 02 B	1/00	6-27	A 61 K	7/46
		25/00			23/44		C 07 B		884	H 01 B	1/00			
101	H 01 M	4/88	340-343	B 01 J	23/02	816,817	C 07 C		885	H 01 B	12/16			
102-134	B 01 J	31/00	344	B 01 J	23/02	818	C 23 C	14/00	886	H 01 B	12/00			
		37/00			23/04	819,820	C 25 D		887	H 01 B	12/02			
	C 08 F	4/02	345,346	B 01 J	23/70		B 05 D		888	F 25 B				
		4/60			23/72		C 23 C	16/00	889	F 25 D				
150-173	B 01 J	31/00	347,348	B 01 J	23/48		C 25 D			C 01 F	17/00			
174	B 01 J	21/18			23/50	821	B 21 F	19/00	890	F 25 B	21/00	1	A 01 N	61/00

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 514—Con.														
	A 61 K	31/00	169-171	A 01 N	45/00	385,386	A 01 N	43/50	496	A 01 N	55/06	572	A 01 N	37/08
2	A 01 N	37/18		A 61 K	31/56		A 61 K	31/415		A 01 N	31/305	573	A 01 N	31/19
	A 61 K	37/00	172-174	A 61 K	31/58	387,388	A 01 N	43/52	497	A 01 N	55/06		A 01 N	37/08
3,4	A 61 K	37/26	175	A 61 K	31/585		A 61 K	31/415		A 61 K	31/31		A 61 K	31/19
5	A 61 K	37/00	176	A 61 K	31/58	389-392	A 01 N	43/50	498	A 01 N	55/02			31/557
6	A 61 K	37/14	177-182	A 61 K	31/56		A 61 K	31/415		A 61 K	31/28	574	A 01 N	37/00
7	A 61 K	37/16	183	A 01 N	43/00	393-395	A 01 N	43/52	499,500	A 01 N	55/02		A 61 K	31/19
8	A 61 K	37/10		A 61 K	31/33		A 61 K	31/415		A 61 K	31/30	575	A 01 N	37/28
9-21	A 61 K	37/00	184-188	A 01 N	55/02	396-402	A 01 N	43/50	501,502	A 01 N	55/02		A 61 K	31/19
22	A 61 K	31/70		A 61 K	31/555		A 61 K	31/415		A 61 K	31/295	576-578	A 01 N	37/00
23-25	A 01 N	43/04	189	A 01 N	55/04	403-407	A 01 N	43/56	503	A 01 N	55/02		A 61 K	31/185
	A 61 K	31/70		A 61 K	31/555		A 61 K	31/415		A 61 K	31/29	579	A 01 N	33/00
26	A 01 N	45/00	190	A 01 N	55/06	408	A 01 N	43/36	504	A 01 N	55/02		A 61 K	31/13
	A 61 K	31/705		A 61 K	31/555		A 61 K	31/40		A 61 K	31/285			31/16
27-52	A 01 N	43/04	191	A 01 N	43/00	409-414	A 01 N	43/38	505	A 01 N	55/02	580	A 01 N	47/28
	A 61 K	31/70		A 61 K	31/33		A 61 K	31/40		A 61 K	31/28		A 61 K	31/17
53,54	A 01 N	43/04	192-199	A 61 K	31/43	415	A 01 N	43/38	506	A 01 N	37/00	581-583	A 01 N	47/34
	A 61 K	31/715	200-209	A 61 K	31/545		A 61 K	31/405		A 61 K	31/21		A 61 K	31/175
55	A 01 N	43/04	210	A 01 N	43/00	416-421	A 01 N	43/38	507	A 01 N	37/28	584-588	A 01 N	47/28
	A 61 K	31/73		A 61 K	31/395		A 61 K	31/40		A 61 K	31/215		A 61 K	31/17
56	A 01 N	43/04	211	A 01 N	43/00	422-429	A 01 N	43/36	508	A 01 N	37/52	589-593	A 01 N	47/34
	A 61 K	31/725		A 61 K	31/55		A 61 K	31/40		A 61 K	31/215		A 61 K	31/175
57-61	A 01 N	43/04	212-217	A 01 N	43/46	430	A 01 N	43/02	509-511	A 01 N	37/00	594-598	A 01 N	47/28
	A 61 K	31/715		A 61 K	31/55		A 61 K	31/38		A 61 K	31/21		A 61 K	31/17
62	A 01 N	43/04	218-221	A 01 N	43/62	431	A 01 N	43/02	512	A 01 N	47/06	599	A 01 N	37/18
	A 61 K	31/70		A 61 K	31/55			43/22		A 61 K	31/265		A 61 K	31/16
63	A 01 N	55/00	222-228.5	A 61 K	31/54		A 61 K	31/38	513	A 01 N	37/00	600	A 01 N	41/02
	A 61 K	31/695	228.8-239.5	A 61 K	31/535	432	A 01 N	43/18		A 61 K	31/21		A 61 K	31/16
64	A 01 N	55/08	241	A 01 N	43/66		A 61 K	31/38	514-516	A 01 N	47/40	601-605	A 01 N	41/06
	A 61 K	31/69		A 61 K	31/53	433-436	A 01 N	43/32			47/46		A 61 K	31/18
65-74	A 01 N	65/00	242,243	A 01 N	43/64		A 61 K	31/385			47/48	606-609	A 01 N	41/12
75	A 01 N	57/00		A 61 K	31/53	437	A 01 N	43/14		A 61 K	31/21		A 61 K	31/16
	A 61 K	31/66	244-246	A 01 N	43/66		A 61 K	31/38			31/26	610	A 01 N	33/26
76-78	A 01 N	57/26		A 61 K	31/53	438	A 01 N	43/06	517,518	A 01 N	41/02		A 61 K	31/04
	A 61 K	31/685	247	A 01 N	43/58		A 61 K	31/38		A 61 K	31/255	611	A 01 N	33/26
79-94	A 01 N	57/00		A 61 K	31/50	439-442	A 01 N	43/26	519-526	A 01 N	37/34		A 61 K	31/13
	A 61 K	31/675	248-250	A 01 N	43/58		A 61 K	31/385		A 61 K	31/275	612	A 01 N	33/14
95-98	A 01 N	57/00		A 61 K	43/60	443	A 01 N	43/12	527	A 01 N	37/34		A 61 K	31/13
	A 61 K	31/67		A 61 K	31/495		A 61 K	31/38			41/02	613-616	A 01 N	37/18
99-101	A 01 N	57/00		A 01 N	31/50	444-448	A 01 N	43/06		A 61 K	31/255		A 61 K	31/16
	A 61 K	31/665	251	A 61 K	43/60		A 61 K	31/38			31/275	617-624	A 01 N	37/18
102-108	A 01 N	57/00		A 61 K	31/525	449,450	A 01 N	43/02	528	A 01 N	37/34		A 61 K	31/165
	A 61 K	31/66	252-254	A 01 N	43/58		A 61 K	31/335		A 61 K	31/275	625-630	A 01 N	37/18
109	A 01 N	57/10		A 61 K	43/60	451	A 01 N	43/16	529	A 01 N	37/00		A 61 K	31/16
110,111	A 01 N	57/36		A 61 K	31/495		A 61 K	31/35		A 61 K	31/215	631-637	A 01 N	37/52
	A 61 K	31/66	255	A 01 N	31/50	452	A 01 N	43/32	530	A 01 N	37/08		A 61 K	31/155
112-136	A 01 N	57/00		A 61 K	43/60		A 61 K	31/335		A 61 K	31/215	638	A 01 N	33/02
	A 61 K	31/66	256-260	A 61 K	31/495	453-457	A 01 N	43/16	531	A 01 N	53/00		A 61 K	31/13
137,138	A 01 N	57/26		A 61 K	31/505	458	A 61 K	31/35		A 61 K	31/215	639	A 01 N	33/26
	A 61 K	31/66	261-266	A 01 N	43/90		A 61 K	43/16	532,533	A 01 N	37/10		A 61 K	31/15
139	A 01 N	57/34		A 61 K	31/52	459,460	A 01 N	31/355		A 61 K	31/235	640	A 01 N	33/24
	A 61 K	31/66	267-269	A 61 K	31/54		A 01 N	43/16	534-541	A 01 N	37/12		A 61 K	31/15
140-142	A 01 N	57/18		A 61 K	31/505	461	A 61 K	31/35			37/44	641	A 01 N	33/02
	A 61 K	31/66	270,271	A 61 K	31/515		A 01 N	43/08		A 61 K	31/24		A 61 K	31/13
143-148	A 01 N	57/10		A 61 K	43/54	462	A 61 K	31/34	542	A 01 N	37/18	642,643	A 01 N	33/12
149	A 01 N	51/00	272-275	A 01 N	43/54		A 61 K	43/12		A 61 K	31/235		A 61 K	31/14
	A 61 K	31/655		A 61 K	31/505			43/26	543-545	A 01 N	37/10	644,645	A 01 N	33/24
150,151	A 01 N	33/26	276	A 01 N	43/78		A 61 K	31/335		A 61 K	31/235		A 61 K	31/13
	A 61 K	31/655		A 61 K	31/51	463	A 01 N	43/26	546	A 01 N	37/02	646-654	A 01 N	33/02
152-154	A 01 N	37/18		A 01 N	43/40		A 61 K	31/335	547,548	A 01 N	31/22		A 61 K	31/135
	A 61 K	31/65	277	A 61 K	31/435	464-466	A 01 N	43/30			37/06	655	A 01 N	33/02
155	A 01 N	51/00		A 01 N	43/42		A 61 K	31/36		A 61 K	31/225		A 61 K	33/24
	A 61 K	31/63	305,306	A 61 K	31/44	467	A 01 N	43/26	549	A 01 N	37/06			31/135
156-158	A 01 N	51/00		A 01 N	43/90		A 61 K	31/335		A 61 K	31/22	656-658	A 01 N	33/02
	A 61 K	31/655	307-314	A 61 K	31/44	468-474	A 01 N	43/08	550	A 01 N	37/02		A 61 K	31/135
159,160	A 01 N	37/36		A 61 K	31/47	475	A 61 K	31/34		A 61 K	31/22	659-663	A 01 N	33/02
	A 61 K	31/60	315-331	A 01 N	43/40		A 01 N	43/24	551	A 01 N	37/12		A 61 K	31/13
161	A 01 N	43/00		A 61 K	31/445		A 61 K	31/335			37/44	664	A 01 N	33/26
	A 61 K	31/62	332-358	A 01 N	43/40	476-481	A 01 N	47/10	552	A 01 N	37/02		A 61 K	31/15
162	A 01 N	37/36		A 61 K	31/44		A 61 K	31/27		A 61 K	31/23	665-670	A 01 N	33/08
	A 61 K	31/615	359	A 01 N	43/64	482	A 01 N	47/28	553	A 01 N	37/00		A 61 K	31/13
163	A 01 N	37/36		A 61 K	31/41			47/40		A 61 K	31/185	671-674	A 01 N	33/02
	A 61 K	31/61	360-364	A 01 N	43/82		A 61 K	31/27	554-556	A 01 N	37/30		A 61 K	31/13
164	A 01 N	37/36		A 61 K	31/41			31/275		A 61 K	31/205	675	A 01 N	35/00
	A 61 K	31/605	365-371	A 01 N	43/78	483-491	A 01 N	47/10	557	A 01 N	37/00		A 61 K	31/12
165	A 01 N	37/36		A 61 K	31/425		A 61 K	31/27		A 61 K	31/19	676	A 01 N	33/18
	A 61 K	31/60	372,373	A 01 N	43/80	492	A 01 N	55/02	558-560	A 01 N	37/00			33/24
166	A 01 N	37/36		A 61 K	31/425		A 61 K	31/28		A 61 K	37/44	677-691	A 01 N	35/00
	A 61 K	31/615	374-377	A 01 N	43/76	493	A 01 N	55/04	561-567	A 01 N	37/12		A 61 K	31/12
167	A 01 N	45/00		A 61 K	31/42		A 61 K	31/32			37/44	692	A 01 N	35/04
	A 61 K	31/59	378-380	A 01 N	43/80	494	A 01 N	55/02		A 61 K	31/195		A 61 K	31/125
168	A 01 N	45/00		A 61 K	31/42		A 61 K	31/315	568-571	A 01 N	37/10	693	A 01 N	35/00
			381-384	A 01 N	43/64	495	A 01 N	55/02		A 61 K	31/19		A 61 K	31/11

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 514—Con.														
694-697	A 01 N	35/02		C 07 C	27/26	144	C 08 F	210/00		C 08 L			C 08 L	
	A 01 N	31/115		C 07 B	63/02	145,146	C 08 F	14/00	118	C 08 J		336,337	C 08 J	3/00
698-703	A 01 N	35/00		C 07 C	27/02			114/00		C 08 K		339-348	C 08 K	
	A 01 N	31/11			27/26			214/00		C 08 L		351	C 08 J	3/20
704	A 01 N	33/18				147	C 08 F	36/04	120	A 01 K	6/00		C 08 K	
	A 01 N	33/24				148	C 08 F	136/04	121-125	C 08 J		352	C 08 L	
	A 01 N	31/11						236/04		C 08 K			C 08 J	3/16
705	A 01 N	35/00				149	C 08 F			C 08 L			C 08 K	
	A 01 N	31/11				150	C 08 F	36/00	126	C 08 K	5/56	353	C 08 J	3/00
706	A 01 N	31/00				151	C 08 H	5/00	127	C 08 K	5/00		C 08 K	
	A 01 N	31/035				152	C 08 G	77/56	128	C 08 K	5/00		C 08 L	
707	A 01 N	41/12						79/08	129	C 08 K	11/00	375	C 08 J	
	A 01 N	31/105				153	C 08 G	79/10	130,131	C 09 K	7/00		C 08 K	
708-711	A 01 N	41/10		C 08 C				79/12	132	C 09 K	17/00		C 08 L	
	A 01 N	31/10		C 08 F		154	C 08 G	77/00	134	H 01 M	2/00	400	C 08 K	
712,713	A 01 N	31/00		C 08 G		155-177	C 08 G	18/00	135	C 08 J			C 08 L	63/00
	A 01 N	31/10		C 08 H		178	C 08 G	59/00		C 08 K		401	C 08 L	63/00
714	A 01 N	31/00		C 08 J		179	C 08 G	59/42		C 08 L		402,403	C 08 K	3/20
	A 01 N	31/075		C 08 K		180	C 08 G	63/00	136	G 21 F	1/10		C 08 L	63/00
715	A 01 N	31/14		C 08 L				65/38	137	G 21 F	1/10	404	C 08 K	3/20
	A 01 N	31/075		C 09 D		181	C 08 G	8/00		G 21 K	1/10	406	C 08 K	3/20
716	A 01 N	33/18		C 09 F				14/04	138	C 08 K			C 08 L	
	A 01 N	33/24		C 09 G		182	C 08 G	63/00		C 08 L		407	C 08 K	3/20
	A 01 N	31/075		C 09 J		183-185	C 08 G	63/44		B 22 C	1/00	408-413	C 08 L	51/00
717-721	A 01 N	31/14						69/44	139		1/22		C 08 K	3/20
	A 01 N	31/075						73/10			3/00	414-418	C 08 L	63/00
722,723	A 01 N	31/14				186	C 08 G	4/00	140	B 22 D	7/10	420,421	C 08 K	3/20
	A 01 N	31/08						6/00		C 21 B	7/12	423	C 08 K	3/20
724	A 01 N	31/00						10/00	141	C 21 B	7/00		C 08 L	
	A 01 N	31/045						12/00		C 21 C	5/46	424	C 08 K	3/20
725	A 01 N	31/04						14/00		B 22 C	1/22		C 08 L	61/04
	A 01 N	31/07						16/00	142-148	C 08 J	5/14	425	C 08 K	3/20
726	A 01 N	31/04		C 08 J	5/20	187	C 08 G	65/00	149-159	C 03 C	17/00		C 08 L	63/00
	A 01 N	31/065		C 08 F		188	C 08 G	12/00		C 09 D	5/00	426	C 08 L	63/00
727,728	A 01 N	33/18		C 08 G		189	C 08 G	12/12			11/00	427-429	C 08 K	
	A 01 N	33/24		C 08 F					164	C 09 D	13/00		C 08 L	63/00
	A 01 N	31/045		C 08 G					166	B 29 C	73/00	433-439	C 08 K	
729,730	A 01 N	31/00		C 08 J	11/04				167	A 43 D			C 08 L	
	A 01 N	31/045		B 29 B	17/00					C 09 G	1/00	440-443	C 08 L	63/00
731-737	A 01 N	31/08		C 08 J	11/04					C 03 C	27/00	444	C 08 K	3/40
	A 01 N	31/05		C 08 J	11/04				168	C 09 K	3/18		C 08 L	63/00
738,739	A 01 N	50,50.5		C 08 J	9/00				169	C 03 C	8/14	445	C 08 K	
	A 01 N	31/045		C 08 J	9/34				170	C 09 D	5/29		C 08 L	63/00
740-742	A 01 N	33/18		C 08 J	9/38				171	F 21 V	7/22	446	C 08 K	11/00
	A 01 N	33/24		C 08 J	9/36	1-70	C 08 F	2/46	172	H 02 G	15/00		C 08 L	63/00
	A 01 N	31/04		C 08 J					173	G 11 B	3/70	447	C 08 L	3/00
743	A 01 N	29/00		C 08 J	9/16				174	B 05 D	5/08		C 08 L	5/00
	A 01 N	31/02		C 08 J	9/22	71-86	C 08 K		175	C 10 M			C 08 L	63/00
744-746	A 01 N	29/02		C 08 J	9/16	87-110	C 08 F	2/46		C 09 J	4/00	448	C 08 L	1/00
	A 01 N	31/035		C 08 J	9/18				176,177		101/00		C 08 L	63/00
747	A 01 N	29/04		C 08 J	9/26						201/00	449	C 08 L	63/00
	A 01 N	31/025		C 08 J	9/26	111-166	C 08 J	3/28			21/14		C 08 L	89/00
748-750	A 01 N	29/12		C 08 J	9/28	167-189	C 08 F	2/46	179	C 09 K	23/00	450	C 08 L	63/00
	A 01 N	31/03		C 08 J	9/28				180	C 06 B	5/62		C 08 L	95/00
751-754	A 01 N	29/04		C 08 J	9/30				181	G 11 B	5/62	451,452	C 08 K	
	A 01 N	29/10		C 08 J	9/30				200	C 08 K	9/00		C 08 L	63/00
	A 01 N	31/03		C 08 J	9/30				201,202	C 08 F		453	C 08 K	5/36
755,756	A 01 N	29/04		C 08 J	9/32					C 08 G	83/00		C 08 L	63/00
	A 01 N	31/025		C 08 J	9/32					C 08 L		454	C 08 K	5/07
757-761	A 01 N	29/02		C 08 J	9/00				203	C 08 F			C 08 L	63/00
	A 01 N	31/02		C 08 K						C 08 G		455	C 08 L	5/09
762	A 01 N	27/00		C 08 J						C 08 L			C 08 K	5/10
	A 01 N	31/01		C 08 K					204	C 08 K	9/02		C 08 L	63/00
763-766	A 01 N	27/00		C 08 K		1	C 08 C		205-209	C 08 K	9/00		C 08 K	5/00
	A 01 N	31/015		C 08 L			C 08 J	3/00	210,211	C 08 K	9/10	456-461	C 08 L	63/00
767,768	A 01 N	27/00		C 08 J	9/00		C 08 K			C 08 K	9/12		C 08 L	5/02
	A 01 N	25/00		C 08 K			C 08 L		212-214	C 08 K	9/06	462	C 08 K	
769-789	A 01 N	47/00		C 08 J			C 09 D		215-217	C 08 K	9/00		C 08 L	63/00
				C 08 K		100-103	A 01 L		218,219	C 08 J	9/32	463-465	C 08 K	5/01
				C 08 L		105-108	C 08 J		220	C 08 K	7/00		C 08 L	63/00
				C 08 J	9/00		C 08 K		221	C 08 L		466	C 08 L	63/00
				C 08 K			C 08 L		222	C 08 K	7/02	467	C 08 L	
				C 08 L		109	A 01 K	6/10	223	C 08 K	7/16	468	C 08 L	63/00
				C 08 J			C 08 J		300	C 08 J	3/28	500	C 08 L	67/00
				C 08 K			C 08 K			C 08 K		501-504	C 08 K	3/20
				C 08 L			C 08 L			C 08 L			C 08 L	67/00
				C 08 J		111	C 08 L	15/00	303	C 08 J	3/00	505,506	C 08 K	
				C 08 K		112	A 01 N	1/00	305-307	C 08 K			C 08 L	67/00
				C 08 L		113-115	A 01 F	2/00	309-324	C 08 L		507,508	C 08 K	5/00
				C 08 J			C 08 J		326,328	C 08 J	3/00		C 08 L	67/00
				C 08 K			C 08 K		330-334	C 08 K		509	C 08 K	11/00
				C 08 L		116,117	A 01 K	6/08		C 08 L		510	C 08 K	5/06
				C 08 J			C 08 J		335	C 08 C			C 08 L	5/13
				C 08 K			C 08 K			C 08 J	3/02		C 08 L	67/00
										C 08 K		511	C 08 K	5/00
U.S. Class 518														
CHEMISTRY FISCHER-TROPSCH PROCESSES; OR PURIFICATION OR RECOVERY OF PRODUCTS THEREOF														
700-721	C 07 C	27/00	139	C 08 L										
		27/06	140	C 08 L	47/00									
722	C 07 C	27/06	141	C 08 F	16/06									
		27/26			116/06									
723-725	C 07 C	27/06			216/06									
		27/34	142	C 08 F										
726	C 07 B	63/02	143	C 08 F	110/00									

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U.S. Class 523—Con.														
			48	C 08 J	89/00		C 08 K	5/49	195-197	C 08 J		268	C 08 L	
	C 08 L	67/00		C 08 L	3/02	123-125	C 08 L			C 08 K	5/29		C 08 J	
512	C 08 K	3/04			5/16		C 08 J		198-200	C 08 L		269	C 08 K	5/54
513	C 08 L	67/00	49	C 08 J			C 08 K	5/53		C 08 J			C 08 J	
	C 08 K	3/00		C 08 L	3/04	126	C 08 J			C 08 K	5/16	270-273	C 08 K	5/24
514-516	C 08 L	67/00	50-53	C 08 J			C 08 K	5/53	201,202	C 08 L			C 08 J	
	C 08 K	5/02		C 08 L		127	C 08 J			C 08 K	5/38	274	C 08 L	
517	C 08 L	67/00	54	C 08 J			C 08 K	5/52	203	C 08 L			C 08 J	23/00
	C 08 K	5/01		C 08 L	5/02	128,129	C 08 J			C 08 K	5/00		C 08 L	25/00
518	C 08 L	67/00	55	C 08 J			C 08 K	5/51			5/38			93/00
	C 08 K	5/01		C 08 L			C 08 J				5/39	275	C 08 J	
	C 08 L	67/00	56,57	C 08 J			C 08 K				5/48		C 08 L	91/06
		91/08		C 08 L	5/15	130-135	C 08 J		204-209	C 08 J		276	C 08 J	
		95/00		C 08 K	5/00		C 08 L	5/53		C 08 K	5/16		C 08 K	3/20
521	C 08 K	3/34	58	C 08 J		136-139	C 08 L		210	C 08 J		277-279	C 08 L	91/06
	C 08 L	67/00		C 08 K	5/07		C 08 J			C 08 K	5/20		C 08 J	91/06
522,523	C 08 K		59	C 08 L			C 08 K	5/51			5/36	280,281	C 08 L	
526	C 08 L			C 08 J	95/00	140-145	C 08 J				5/48		C 08 J	
527	C 08 K	3/40	60	C 08 J			C 08 K	5/52		C 08 L			C 08 K	5/10
				C 08 K	3/20		C 08 L		211-214	C 08 J				5/38
				C 08 L	95/00	146	C 08 J			C 08 K	5/21		C 08 L	5/48
U.S. Class 524			61	C 08 J			C 08 K	5/49			5/36	282,283	C 08 J	
PART OF THE CLASS 520 SERIES --				C 08 K	95/00	147-153	C 08 L			C 08 L	5/48		C 08 K	5/36
SYNTHETIC RESINS OR NATURAL			62	C 08 J			C 08 K	5/51	215	C 08 J			C 08 L	5/48
RUBBERS				C 08 K	5/01		C 08 L			C 08 K	3/20	284	C 08 K	5/09
1	C 08 J			C 08 L	91/08	154	C 08 J			C 08 L			C 08 J	5/10
	C 08 L			C 08 K	95/00		C 08 K	5/50	216	C 08 J			C 08 L	
2-8	C 08 J		63	C 08 J		155,156	C 08 L			C 08 K	5/21	285-287	C 08 J	
	C 08 K	3/00		C 08 K	3/04		C 08 J				5/36		C 08 K	5/09
	C 08 L			C 08 L			C 08 K	5/41			5/48			5/10
9	C 08 J		64-68	C 08 J			C 08 L			C 08 L			C 08 L	5/12
	C 08 K	11/00		C 08 L		157	C 08 J		217-225	C 08 J			C 08 J	
	C 08 L	89/00	69	C 08 J			C 08 K	5/42		C 08 K	5/20	288	C 08 J	
10	C 08 J			C 08 L	31/00		C 08 L				5/36		C 08 K	5/09
	C 08 K				33/00	158-165	C 08 J				5/48			5/10
	C 08 L	89/00			95/00		C 08 L			C 08 L				5/12
11	C 08 J		70,71	C 08 J		166	C 08 J		226	C 08 J			C 08 L	
	C 08 L	89/06		C 08 L	95/00		C 08 K	5/42		C 08 K	5/20	289	C 08 J	
12-14	C 08 J		72-76	C 08 J			C 08 L			C 08 L			C 08 K	5/36
	C 08 L			C 08 K	5/13	167	C 08 J		227,228	C 08 L			C 08 L	
15,16	C 08 J			C 08 L	97/00		C 08 K	5/41	229,230	C 08 J		290	C 08 J	
	C 08 K	11/00			99/00		C 08 L			C 08 K	5/20		C 08 K	5/09
	C 08 L		77	C 08 J		168,169	C 08 J			C 08 L	23/00			5/10
17	C 08 J			C 08 L			C 08 K	5/43	231	C 08 J			C 08 L	5/12
	C 08 L	89/00	78	C 08 J			C 08 L			C 08 K	5/16			
18	C 08 L	1/00		C 08 K	11/00	170-173	C 08 J				5/20	291	C 08 J	
		3/00		C 08 L	99/00		C 08 K	5/41		C 08 L			C 08 K	5/09
		5/00	79	C 08 J			C 08 L		232,233	C 08 J				5/10
		89/00		C 08 K	3/04	174-176	C 08 J			C 08 K	5/20		C 08 L	5/12
		93/00			11/00		C 08 K	5/00		C 08 L			C 08 J	5/13
19	C 08 K	5/01		C 08 L			C 08 L		234	C 08 J			C 08 L	
	C 08 L	19/00	80	C 08 J		177	C 08 J			C 08 K	5/04	292,293	C 08 J	
		89/00		C 08 K			C 08 K	5/00			5/16		C 08 K	5/09
20-26	C 08 J			C 08 L				5/56			5/20			5/10
	C 08 L	89/00	81	C 08 J				5/59		C 08 L				5/12
27	C 08 J			C 08 K	5/00		C 08 L		235	C 08 J			C 08 L	
	C 08 L	5/00		C 08 L		178	C 08 J			C 08 K	5/20	294-296	C 08 J	
28	C 08 J			C 08 K			C 08 K	5/00		C 08 L	33/00		C 08 K	5/09
	C 08 L	5/04	82	C 08 J				5/57	236	C 08 J			C 08 L	5/12
29,30	C 08 L			C 08 L	5/45		C 08 L			C 08 K	5/17		C 08 L	
31	C 08 J		83	C 08 J		179-182	C 08 J				5/33	297	C 08 J	
	C 08 L			C 08 K	5/46		C 08 K	5/00		C 08 L			C 08 L	
32,33	C 08 J				5/48			5/58	237	C 08 J		298,299	C 08 J	
34	C 08 L			C 08 L			C 08 L			C 08 K	5/17		C 08 K	5/09
	C 08 J		84,85	C 08 J		183-185	C 08 J				5/29			5/12
	C 08 L			C 08 K	5/45		C 08 K	5/55		C 08 L			C 08 L	
35	C 08 J	1/00		C 08 L		186,187	C 08 J		238-252	C 08 J		300,301	C 08 J	
	C 08 L		86-94	C 08 J			C 08 K	5/16		C 08 L			C 08 K	5/09
36	C 08 J	1/08		C 08 K	5/34		C 08 L		253	C 08 J				5/10
	C 08 L	1/22			5/48		C 08 K			C 08 K	3/20			
37	C 08 J			C 08 L		188	C 08 J		254-258	C 08 J		302	C 08 J	
	C 08 L	1/10	95-97	C 08 J			C 08 K	5/54		C 08 K	5/17		C 08 K	5/36
38-40	C 08 J	1/20		C 08 L	5/35		C 08 L			C 08 L			C 08 L	91/02
	C 08 L			C 08 K		189	C 08 J		259,260	C 08 J		303	C 08 J	
41	C 08 J	1/14	98-106	C 08 J			C 08 K	5/22		C 08 K	5/32		C 08 L	5/36
	C 08 L	1/12		C 08 K	5/34		C 08 L	5/24		C 08 L			C 08 L	
42-44	C 08 J		107	C 08 J			C 08 L		261-265	C 08 J		304,305	C 08 J	
	C 08 L	1/26		C 08 K		190	C 08 J	5/23		C 08 K	5/24		C 08 K	5/36
45,46	C 08 J			C 08 L	5/15		C 08 K			C 08 L			C 08 L	
	C 08 L		108-114	C 08 J		191-194	C 08 J		266	C 08 J	5/24	306	C 08 K	5/09
47	C 08 J			C 08 K	5/15		C 08 K			C 08 K			C 08 L	5/10
	C 08 L	3/00	115-122	C 08 J			C 08 L		267	C 08 J	5/54	307	C 08 J	

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 524—Con.														
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	C 08 L	5/10	389	C 08 K	3/20		C 08 L			C 08 L	61/00		C 08 L	51/00
308	C 08 J			C 08 J	5/05	462-470	C 08 J		513	C 08 J		541,542	C 08 J	
	C 08 K	5/10		C 08 K	5/01		C 08 K	5/02		C 08 K	67/00		C 08 K	51/00
		5/11	390		5/02	471	C 08 J	5/03	514	C 08 J			C 08 L	61/00
		5/15		C 08 K	5/05		C 08 K			C 08 K	77/00	543	C 08 J	
309	C 08 L			C 08 L		472,473	C 08 J		515	C 08 J			C 08 K	
	C 08 J	5/10	391	C 08 J	5/05		C 08 K	5/02		C 08 K		544-546	C 08 J	
	C 08 K	5/11		C 08 K		474	C 08 J		516	C 08 J			C 08 L	27/12
				C 08 L			C 08 K	5/01		C 08 K	39/00	547	C 08 J	
310	C 08 L	5/10	392,393	C 08 J	5/36	475	C 08 L			C 08 L	37/00		C 08 K	
	C 08 J	5/11		C 08 K			C 08 J	3/20	517	C 08 J			C 08 L	41/00
	C 08 K	91/00	394-400	C 08 J	5/04		C 08 K		518	C 08 J			C 08 L	43/00
311,312	C 08 J	5/10		C 08 K	5/09	476,477	C 08 L			C 08 K	45/00	548	C 08 J	
	C 08 K	5/11					C 08 J	5/01		C 08 L	55/00		C 08 K	37/00
			401	C 08 L			C 08 K		519,520	C 08 J			C 08 L	39/00
313	C 08 J	91/00		C 08 J	3/00	478-480	C 08 J			C 08 K	27/00	549	C 08 J	
	C 08 L			C 08 K			C 08 K	5/01		C 08 L			C 08 K	
314	C 08 J	5/11	402	C 08 L	3/30	481-486	C 08 J	91/08	521	C 08 J		550	C 08 L	37/00
	C 08 K			C 08 K			C 08 K	5/01		C 08 L	3/00		C 08 J	
	C 08 L			C 08 L	3/10	487-489	C 08 J		522,523	C 08 J			C 08 K	49/00
315-318	C 08 J	5/10	403	C 08 K	3/38		C 08 K	5/01		C 08 K	33/00	551,552	C 08 J	
	C 08 K		404,405	C 08 J		490,491	C 08 J	91/08	524	C 08 J			C 08 K	27/00
	C 08 L			C 08 K	3/10		C 08 K	5/01		C 08 K	31/04	553,554	C 08 L	
319-322	C 08 J	5/09	406-410	C 08 L	3/10		C 08 J		525,526	C 08 J			C 08 J	
	C 08 K			C 08 K		492,493	C 08 L	3/34		C 08 K		555	C 08 K	55/00
	C 08 L	5/13	411,412	C 08 J	3/10		C 08 J		527	C 08 J	27/00		C 08 L	39/00
323-330	C 08 J	5/36		C 08 K	3/16	494	C 08 L			C 08 K		556	C 08 J	
	C 08 K		413	C 08 L	3/10		C 08 K	3/40	528	C 08 J	23/00		C 08 K	31/00
	C 08 L			C 08 J		495,496	C 08 L	3/04		C 08 K	51/00		C 08 L	33/00
333	C 08 J	5/13	414-417	C 08 K	3/32		C 08 J		529	C 08 J		557	C 08 J	
	C 08 K			C 08 L		497	C 08 K	3/22		C 08 K			C 08 K	29/04
334-352	C 08 L	5/13	418-423	C 08 J	3/30		C 08 L		530	C 08 J	37/00	558	C 08 J	
	C 08 J	5/00		C 08 K		498	C 08 J			C 08 K	39/00		C 08 K	31/00
	C 08 K	5/13	424	C 08 L	3/00		C 08 K	89/00		C 08 L	51/00		C 08 L	33/00
354-357	C 08 L			C 08 J		499	C 08 L		531	C 08 J		559	C 08 J	
	C 08 J	5/07	425-427	C 08 K	3/26		C 08 K	57/02		C 08 K	37/00		C 08 K	31/00
	C 08 K			C 08 L		500	C 08 J			C 08 L	41/00	560-562	C 08 J	
358	C 08 L	5/08	428,429	C 08 J	3/28		C 08 K			C 08 L	43/00		C 08 K	33/06
	C 08 J			C 08 L		501	C 08 L	3/02	532	C 08 J	51/00	563,564	C 08 J	
	C 08 K	5/07	430-433	C 08 J	3/18		C 08 K	3/20		C 08 K	45/00	565	C 08 K	31/02
	C 08 L			C 08 K	3/22	502	C 08 L			C 08 L	51/00		C 08 L	55/00
364	C 08 J	3/02	434-437	C 08 J	3/10		C 08 J		533	C 08 J	31/00	566	C 08 J	
	C 08 K	5/01		C 08 K		503	C 08 L	29/04		C 08 K	33/00		C 08 K	9/02
		5/02	438	C 08 L	3/00	504	C 08 J			C 08 L	51/00		C 08 L	55/00
		5/04		C 08 K			C 08 K		534	C 08 J		567-569	C 08 J	
		5/07		C 08 L			C 08 L	51/00		C 08 K	51/00		C 08 K	27/00
365	C 08 J	5/07	439-441	C 08 J	3/08	505	C 08 J		535	C 08 J		570	C 08 J	
	C 08 K			C 08 K			C 08 K	53/00		C 08 K	43/00		C 08 K	
366,367	C 08 L	5/06	442	C 08 L	3/34	506	C 08 J			C 08 L	51/00		C 08 L	
	C 08 K			C 08 K	11/00		C 08 K	83/00	536	C 08 J		571-574	C 08 K	9/00
368	C 08 J	5/00	443-456	C 08 J	3/34	507	C 08 L			C 08 K	23/00	575	C 08 J	
	C 08 K	5/06		C 08 K			C 08 J	75/00		C 08 L	51/00		C 08 K	
				C 08 L		508	C 08 K		537	C 08 J			C 08 L	9/00
369-378	C 08 J	5/06	457	C 08 J	3/02		C 08 J	73/00		C 08 K		575.5	C 08 K	25/00
	C 08 K			C 08 K	3/20	509	C 08 L			C 08 L	51/00			3/04
	C 08 L			C 08 F	2/16		C 08 K			C 08 L	69/00			3/36
379,380	C 08 J	5/05	458-460	C 08 K	3/20		C 08 L	61/04	538	C 08 J				3/40
	C 08 K			C 08 K	9/04	510	C 08 J	3/20		C 08 K	51/00			5/01
	C 08 L			C 08 L	9/10		C 08 K	61/04		C 08 L	77/00			5/02
381,382	C 08 J	5/05			11/02	511	C 08 J		539	C 08 J			C 08 L	7/00
	C 08 K	5/09			13/02		C 08 K			C 08 K	51/00	576	C 08 J	
					19/02		C 08 L	47/00		C 08 L	67/00		C 08 K	
383-388	C 08 L	5/05			21/02			61/04				577	C 08 L	
	C 08 J												C 08 J	
	C 08 K												C 08 K	

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	C 08 L	25/00		C 08 J			C 08 K	5/22		C 08 K			C 08 J	2/15
578	C 08 K		610	C 08 L	81/00		C 08 J	5/34	765,766	C 08 L	93/00		C 08 K	
	C 08 J			C 08 J		728	C 08 K			C 08 J		801	C 08 L	
	C 08 K	25/02		C 08 K			C 08 K	5/20		C 08 K	5/05		C 08 F	2/32
579	C 08 L		611	C 08 J	85/00	729	C 08 J	5/21	767	C 08 L			C 08 J	
	C 08 K			C 08 K			C 08 K	5/04		C 08 J	3/20		C 08 K	
	C 08 L	23/18		C 08 L	69/00		C 08 K	5/38		C 08 K	5/05	802	C 08 L	
580,581	C 08 J		612	C 08 J	71/12	730	C 08 L		768	C 08 J			C 08 J	
	C 08 K			C 08 K			C 08 J			C 08 K	5/01		C 08 K	
	C 08 L	23/26		C 08 L			C 08 K	5/54			5/02	803	C 08 J	
582	C 08 J			C 08 L			C 08 K	5/56			5/05		C 08 K	
	C 08 K		650	C 08 J		731	C 08 L			C 08 L			C 08 L	29/04
	C 08 L	23/12		C 08 K	3/00		C 08 J		769	C 08 J		804	C 08 F	2/15
583	C 08 J			C 08 L			C 08 K	5/24		C 08 K	5/04		C 08 J	
	C 08 K	5/00	700	C 08 J			C 08 L				5/48		C 08 K	
	C 08 L	23/12		C 08 K		732	C 08 J			C 08 L		805	C 08 L	
584	C 08 J			C 08 L			C 08 K	5/07	770	C 08 J			C 08 J	
	C 08 K	3/00	701	C 08 J		733	C 08 L			C 08 K	5/07		C 08 K	
	C 08 L	23/12		C 08 K	3/02		C 08 J			C 08 L		806	C 08 L	27/12
585	C 08 J				3/38		C 08 K		771	C 08 J			C 08 J	
	C 08 K				5/55	734	C 08 L	1/00		C 08 K	5/01		C 08 L	43/04
	C 08 L	23/06	702	C 08 J			C 08 J				5/02	807	C 08 J	
586	C 08 K	3/00		C 08 K	11/00		C 08 K	3/00		C 08 L	5/07		C 08 K	
	C 08 L	23/06		C 08 L	1/00	735	C 08 L		772-776	C 08 J		808,809	C 08 L	43/00
587	C 08 J				89/00		C 08 K			C 08 K	5/09		C 08 J	
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	C 08 L	23/06	703	C 08 J				99/00		C 08 L		811	C 08 J	
588	C 08 J			C 08 K	11/00	736-741	C 08 J		777,778	C 08 J			C 08 K	
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	C 08 L	83/00	704	C 08 J			C 08 L			C 08 L			C 08 J	43/00
589,590	C 08 J			C 08 K		742	C 08 J		779-781	C 08 J		812	C 08 J	
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591	C 08 J			C 08 K			C 08 L			C 08 L	3/16		C 08 J	
	C 08 K	3/20		C 08 L	95/00	743	C 08 J		783-786	C 08 J			C 08 K	
	C 08 L	75/00	706-708	C 08 J			C 08 K	5/41		C 08 K	3/10	814	C 08 L	33/00
592,593	C 08 J			C 08 K	3/02			5/45			3/38		C 08 J	
	C 08 K				3/32		C 08 L			C 08 L			C 08 K	
	C 08 L				5/49	744	C 08 J			C 08 K	3/14	815	C 08 J	41/00
594	C 08 J			C 08 L			C 08 K	5/41	787	C 08 K			C 08 K	
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	C 08 L	61/00		C 08 K	5/49	745-748	C 08 J			C 08 K	3/30	816	C 08 L	
595	C 08 J			C 08 L			C 08 K	5/01	788		3/14		C 08 J	
	C 08 K		713	C 08 J				5/41			3/18		C 08 K	
	C 08 L			C 08 K	3/32		C 08 L				3/28		C 08 L	33/00
596	C 08 J				5/49	750	C 08 J			C 08 J	3/30		C 08 K	35/00
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	C 08 L	61/00	714	C 08 J				5/37			3/02		C 08 K	
597	C 08 J			C 08 K	5/16		C 08 L			C 08 L	3/34		C 08 L	41/00
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598	C 08 J			C 08 K	5/23			5/48	790				C 08 L	29/00
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	C 08 L	61/22	716	C 08 J		752	C 08 J			C 08 K	9/04		C 08 K	
599,600	C 08 J			C 08 K			C 08 K	5/01					C 08 L	33/00
	C 08 K			C 08 L	1/00			5/02	791	C 08 K	3/34		C 08 K	35/00
	C 08 L	67/00	717	C 08 J			C 08 K	5/04		C 08 L		827	C 08 J	
		73/00		C 08 K	5/16			5/15		C 08 J			C 08 K	
		77/00		C 08 L			C 08 L	5/48	792,793	C 08 K	5/02		C 08 L	
		79/00	718	C 08 J			C 08 K			C 08 L		828	C 08 J	
601	C 08 J			C 08 K	5/34	753	C 08 J			C 08 K	3/20		C 08 K	9/04
	C 08 K			C 08 L			C 08 K	5/15	794	C 08 J			C 08 L	
	C 08 L	67/00	719	C 08 J				5/48		C 08 K	5/02	829,831	C 08 J	
602	C 08 J			C 08 K	5/35		C 08 L			C 08 L			C 08 K	
	C 08 K				5/36	754	C 08 J			C 08 J			C 08 L	
	C 08 L	77/00		C 08 L			C 08 K	5/15	795	C 08 K	5/02	832,833	C 08 J	
603	C 08 J		720	C 08 J		755,757	C 08 L			C 08 K			C 08 K	
	C 08 K			C 08 K	5/34	758	C 08 K	5/06		C 08 L			C 08 L	31/00
	C 08 L			C 08 L			C 08 J		796	C 08 J	3/02		C 08 K	33/00
604,605	C 08 J		721	C 08 J			C 08 K	5/06		C 08 K	3/16		C 08 L	35/00
	C 08 K			C 08 K	5/13	759,760	C 08 L				3/28	834,835		
	C 08 L	67/02		C 08 L			C 08 J			C 08 L			C 08 J	
606	C 08 J			C 08 J			C 08 K	5/06		C 08 J			C 08 K	
	C 08 K		722	C 08 K	5/17			5/09	797	C 08 K			C 08 L	11/02
	C 08 L	77/00		C 08 L			C 08 L	5/10		C 08 K	89/00	836	C 08 J	27/00
		79/00	723	C 08 J		761,762	C 08 J			C 08 J			C 08 K	
607	C 08 J			C 08 K	5/53		C 08 K		798	C 08 L			C 08 L	9/10
	C 08 K			C 08 L			C 08 L	5/06		C 08 K			C 08 L	23/00
	C 08 L	77/00	724,725	C 08 J		763	C 08 J		799	C 08 J	93/00		C 08 L	25/00
608	C 08 J			C 08 K	5/16		C 08 K			C 08 K		837,838	C 08 J	
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			PART OF THE CLASS 520 SERIES -- SYNTHETIC RESINS OR NATURAL RUBBERS											
839,840	C 08 L	83/00				842	C 08 L	75/00	843	C 08 L	1/00	845	C 08 J	28
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	C 08 K						C 08 L			C 08 L	5/00		C 08 L	
841	C 08 L						C 08 J			C 08 J	61/04		C 08 J	
	C 08 J						C 08 K			C 08 K	61/00		C 08 K	
	C 08 K						C 08 L			C 08 L			C 08 L	
842	C 08 L						C 08 J			C 08 J	1/00		C 08 J	
	C 08 J						C 08 K			C 08 K	3/00		C 08 K	
	C 08 K						C 08 L			C 08 L	5/00		C 08 L	
	C 08 L						C 08 J			C 08 J	61/00		C 08 J	
843	C 08 L						C 08 K			C 08 K	67/00		C 08 K	
844	C 08 J						C 08 L			C 08 L	77/00		C 08 L	
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845	C 08 J						C 08 K			C 08 K			C 08 K	
	C 08 K						C 08 L			C 08 L			C 08 L	
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846	C 08 J						C 08 K			C 08 K	43/00		C 08 K	
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	C 08 L						C 08 J			C 08 J			C 08 J	
847	C 08 J						C 08 K			C 08 K			C 08 K	
	C 08 K						C 08 L			C 08 L			C 08 L	
	C 08 L						C 08 J			C 08 J			C 08 J	
848	C 08 J						C 08 K			C 08 K			C 08 K	
	C 08 K						C 08 L			C 08 L			C 08 L	
	C 08 L						C 08 J			C 08 J			C 08 J	
849-851	C 08 J						C 08 K			C 08 K			C 08 K	
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852	C 08 J						C 08 K			C 08 K			C 08 K	
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853,854	C 08 J						C 08 K			C 08 K			C 08 K	
	C 08 K						C 08 L			C 08 L			C 08 L	
	C 08 L						C 08 J			C 08 J			C 08 J	
855	C 08 J						C 08 K			C 08 K			C 08 K	
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	C 08 L						C 08 J			C 08 J			C 08 J	
856	C 08 J						C 08 K			C 08 K			C 08 K	
	C 08 K						C 08 L			C 08 L			C 08 L	
	C 08 L						C 08 J			C 08 J			C 08 J	
857	C 08 J						C 08 K			C 08 K			C 08 K	
	C 08 K						C 08 L			C 08 L			C 08 L	
	C 08 L						C 08 J			C 08 J			C 08 J	
858	C 08 J						C 08 K			C 08 K			C 08 K	
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	C 08 L						C 08 J			C 08 J			C 08 J	
859	C 08 J						C 08 K			C 08 K			C 08 K	
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	C 08 L						C 08 J			C 08 J			C 08 J	
860-866	C 08 J						C 08 K			C 08 K			C 08 K	
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868,869	C 08 J						C 08 K			C 08 K			C 08 K	
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871-875	C 08 J						C 08 K			C 08 K			C 08 K	
	C 08 K						C 08 L			C 08 L			C 08 L	
	C 08 L						C 08 J			C 08 J			C 08 J	
876	C 08 J						C 08 K			C 08 K			C 08 K	
	C 08 K						C 08 L			C 08 L			C 08 L	
	C 08 L						C 08 J			C 08 J			C 08 J	
877	C 08 J						C 08 K			C 08 K			C 08 K	
	C 08 K						C 08 L			C 08 L			C 08 L	
	C 08 L						C 08 J			C 08 J			C 08 J	
878,879	C 08 J						C 08 K			C 08 K			C 08 K	
	C 08 K						C 08 L			C 08 L			C 08 L	
	C 08 L						C 08 J			C 08 J			C 08 J	
881	C 08 J						C 08 K			C 08 K			C 08 K	
	C 08 K						C 08 L			C 08 L			C 08 L	
	C 08 L						C 08 J			C 08 J			C 08 J	

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 525—Con.														
			223	C 08 L	35/02	296	C 08 F	265/10			128/00			222/22
					33/14			267/10			130/00			226/00
	C 08 L	31/00	224	C 08 L	33/06	297	C 08 F	277/00			134/02	328.3	C 08 F	36/14
		33/00			35/02	298	C 08 F	261/02			134/04			135/14
		35/00	225,226	C 08 L	35/02			261/10			224/00			236/14
		61/00	227-229	C 08 L	33/06	299	C 08 F	293/00			228/00	328.4	C 08 F	16/00
164	C 08 K	5/07	230	C 08 L	33/06			295/00			230/00			18/22
	C 08 L	9/00			33/18			297/00			234/02			20/34
		23/00	231	C 08 L	29/00	300	C 08 F	261/10			234/04			20/42
		47/00	232	C 08 L	9/00	301	C 08 F	265/02	327.3	C 08 F	16/26			22/22
		61/00	233,234	C 08 L	9/00			267/02			20/32			26/00
165-167	C 08 L	67/02			9/02	301.5	C 08 F	8/00			24/00			116/00
167.5	C 08 L	67/08			47/00			265/02			116/16			120/34
		91/00	235	C 08 L	9/00			267/02			120/32			120/42
168-170	C 08 F	8/00			27/06	302-306	C 08 F	265/04			124/00			122/22
	C 08 L	67/00			27/08			267/06			216/16			126/00
		67/06			47/00	307-311	C 08 F	265/04			220/32			216/00
171	C 08 F	8/00	236,237	C 08 L	9/00	312	C 08 F	261/06	327.4	C 08 F	20/08			220/34
	C 08 L	9/00			47/00			261/12			20/66			222/22
		47/00	238	C 08 L	33/18	313	C 08 F	279/00			22/04			226/00
		67/06	239	C 08 L	33/20	314	C 08 F	293/00			120/08	328.5	C 08 F	28/00
172	C 08 F	8/00			27/06			295/00			120/66			128/00
	C 08 L	67/00	240	C 08 L	27/08			297/00			122/04			228/00
173-176	C 08 F	8/00			23/00	315,316	C 08 F	255/06			220/08	328.6	C 08 F	16/36
	C 08 L	67/02	241	C 08 L	23/04			279/00			220/66			116/36
177	C 08 F	8/00	242,243	C 08 F	25/02	317	C 08 F	259/04			222/04			216/36
	C 08 L	23/00	244-266	C 08 F	4/00			259/06	327.5	C 08 F	8/34	328.7	C 08 F	16/34
		47/00			251/00	318	C 08 F	293/00			20/08			16/38
178-181	C 08 F	8/30			253/00			295/00			20/66			116/34
	C 08 L	77/00			255/00	319	C 08 F	255/00			22/04			116/38
182	C 08 F	8/30			257/00	320	C 08 F	255/08			120/08			216/34
	C 08 L	37/00			259/00	321	C 08 F	293/00			120/66	328.8	C 08 F	216/38
		39/00			261/00			295/00			122/04			16/02
		41/00			263/00			297/00			220/08			116/02
		43/00			265/00	322	C 08 F	255/02			220/66	328.9	C 08 F	216/02
		45/00			267/00	323	C 08 F	293/00	327.6	C 08 F	8/30			16/12
		77/00			269/00			295/00			20/08			116/12
183	C 08 F	8/30			271/00			297/00			20/66	329.1	C 08 F	20/44
	C 08 L	31/00			273/00	324	C 08 F	255/02			22/04			20/50
		33/00			275/00	326.1	C 08 F	8/00			120/08			120/44
		35/00			277/00			32/00			120/66			120/50
		77/00			279/00			132/00			122/04	329.2	C 08 F	20/44
184	C 08 F	8/30			281/00			232/00			20/08			20/50
	C 08 L	23/00			283/00	326.2	C 08 F	14/18			220/66			220/44
		47/00			285/00			114/18			222/04			220/50
		77/00			287/00			214/18	327.7	C 08 F	8/14	329.3	C 08 F	36/00
185,186	C 08 L				289/00	326.3	C 08 F	8/00			20/08			236/00
187	C 08 L	71/02			291/00			14/18			20/66	329.4	C 08 F	20/56
188	C 08 L	85/02	267-273	C 08 F	4/00			114/18			22/04			120/56
189	C 08 L	81/00			293/00			214/18			120/08			220/56
190	C 08 L				295/00	326.4	C 08 F	8/18			120/66	329.5	C 08 F	20/00
191-196	C 08 F	8/00			297/00			8/26			122/04			22/00
197,198	C 08 L		274	C 08 F	275/00			14/18			220/08			120/00
199	C 08 L	27/12	275	C 08 F	281/00			114/18			220/66			122/00
200	C 08 L		276	C 08 F	259/00			214/18			222/04			220/00
201	C 08 L	33/02	277	C 08 F	263/00	326.5	C 08 F	30/08	327.8	C 08 F	8/12			222/00
		43/00	278	C 08 F	263/00			130/08			8/42	329.6	C 08 F	22/00
202	C 08 L	49/00			265/00			230/08			8/44			122/00
203,204	C 08 L	39/04			271/00	326.6	C 08 F	30/00			20/08			222/00
205	C 08 L	35/00	279	C 08 F	271/02			130/08			20/66	329.7	C 08 F	20/02
		39/04	280	C 08 F	293/00			230/08			22/04			20/62
206	C 08 L	37/00			297/00	326.7	C 08 F	26/06			120/08			120/02
		41/00	281	C 08 F	271/02			126/06			120/66			120/62
207	C 08 L	35/00	282	C 08 F	265/10			226/06			122/04			220/02
208	C 08 L	37/00			267/10	326.8	C 08 F	22/40			220/08			220/62
		41/00	283	C 08 F	271/02			26/06			220/66	329.8	C 08 F	8/34
209	C 08 L	27/10	284	C 08 F	269/00			122/40			222/04			8/40
		43/00			273/00			126/06	327.9	C 08 F	240/00			20/02
210,211	C 08 L	45/00			275/00			220/40	328.1	C 08 F	38/00			20/62
212	C 08 L	33/14	285	C 08 F	267/04			226/06			138/00			120/02
		41/00	286	C 08 F	269/00	326.9	C 08 F	22/38			238/00			120/62
213,214	C 08 L	27/04			273/00			26/10	328.2	C 08 F	16/00			220/02
		33/14	287,288	C 08 F	275/00			122/38			18/22			220/62
215	C 08 L	11/00	289,290	C 08 F	277/00			126/10			20/34	329.9	C 08 F	8/30
		27/04			279/00			222/38			20/42			20/02
216	C 08 L	45/00	291	C 08 F	273/00			226/10			22/22			20/62
217	C 08 L	33/00	292	C 08 F	259/02	327.1	C 08 F	26/06			26/00			120/02
		35/00	293	C 08 F	265/00			126/06			116/00			120/62
		39/00			267/00			226/06			120/34			220/02
218	C 08 L	33/24			271/00	327.2	C 08 F	24/00			120/42			220/62
219	C 08 L	29/00	294	C 08 F	293/00			28/00			122/22	330.1	C 08 F	8/14
220	C 08 L	29/00			295/00			30/00			126/00			20/02
		31/00			297/00			34/02			216/00			20/62
221	C 08 L	33/02	295	C 08 F	265/08			34/04			220/34			120/02
222	C 08 L	33/04			267/08			124/00			220/42			120/62

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 525—Con.														
		214/08	331.7	C 08 F	8/18	334.1	C 08 F	8/18		C 08 L	71/12	427	C 08 L	61/00
		210/16			10/00			10/00			75/04			77/00
		210/18			110/00	396		110/00		C 08 G	65/48	428	C 08 L	61/20
		8/34	331.8	C 08 F	210/00			210/00		C 08 L	63/00			77/00
330.2	C 08 F	220/02			19/00	337	C 08 C	19/00			71/02	429	C 08 L	61/00
		220/62			8/00		C 08 F	8/00			71/12			61/04
		8/12			8/42			8/42		C 08 G	65/48			77/00
		8/44	331.9	C 08 F	36/00	338	C 08 C	19/02	397	C 08 L	67/00	430	C 08 L	71/00
		20/02			136/00		C 08 F	8/02			71/12			71/02
		20/62			236/00			8/42			77/00			77/00
		120/02	332.1	C 08 F	32/00	339	C 08 C	19/02	398	C 08 L	61/02	431	C 08 L	77/00
		120/62			36/20		C 08 F	8/04	399	C 08 L	61/02			83/00
		220/02			132/00	340,341	C 08 C	19/24			75/04	432	C 08 L	77/00
		220/62			136/20		C 08 F	8/40	400	C 08 L	61/02	433	C 08 L	69/00
330.3	C 08 F	20/10			232/00		C 08 C	19/00			67/00			77/00
		120/10			236/20	342	C 08 F	8/00			77/00	434	C 08 L	77/00
		220/10	332.2	C 08 C	19/12		C 08 F	8/42	401	C 08 F	283/06	435,436	C 08 L	77/06
330.4	C 08 F	8/34		C 08 F	12/36	343-347	C 08 C	19/20	402	C 08 L	61/02	437-444	C 08 F	20/00
		8/40			112/36		C 08 F	8/34	403	C 08 G	65/32	444.5	C 08 F	283/00
		20/10			212/36		C 08 C	19/22		C 08 L	71/02			283/02
		120/10	332.3	C 08 F	8/18	348	C 08 C	19/20	404	C 08 F	283/06		C 08 G	63/91
		220/10			32/00	349,350	C 08 C	8/34	405-407	C 08 G	65/32		C 08 L	67/08
330.5	C 08 F	8/30			36/20		C 08 F	19/22	408	C 08 G	65/32	445-449	C 08 F	20/00
		20/10			132/00	351,352	C 08 C	8/34		C 08 L	67/00	450,451	C 08 F	
		120/10			136/20		C 08 F	19/20			71/02	452	C 08 G	18/00
		220/10			232/00	353,354	C 08 C	8/22			77/00	453-455	C 08 F	283/04
330.6	C 08 F	8/12			236/20		C 08 F	19/12	409	C 08 G	65/32	456-460	C 08 F	
		8/14	332.4	C 08 F	8/34	355	C 08 C	8/18		C 08 L	71/02	461	C 08 F	283/00
		8/42			32/00		C 08 F	19/14	410,411	C 08 G	63/91			283/02
		8/44			36/20	356-358	C 08 C	8/22			65/32	462-466	C 08 F	283/02
		20/10			132/00		C 08 F	19/12		C 08 L	67/00	467	C 08 F	283/02
		120/10			136/20	359.1-359.5	C 08 C	8/18			71/00		C 08 L	69/00
		220/10			232/00		C 08 F	19/18	412	C 08 F	283/02			77/00
330.7	C 08 F	14/00			236/20	359.6	C 08 C	8/18			283/06			79/00
		14/16	332.5	C 08 C	19/00		C 08 F	8/00	413	C 08 G	63/91	468	C 08 F	283/02
		114/16		C 08 F	8/00	360	C 08 F	8/12			65/32	469,470	C 08 L	69/00
		214/00			32/00			8/42		C 08 L	67/00	471	C 08 F	283/00
		214/16			36/20			8/44			69/00		C 08 G	14/00
330.8	C 08 F	14/00			132/00	361-373	C 08 C	19/00			71/00			16/00
		36/00			136/20			19/22	414	C 08 G	63/91		C 08 L	61/00
		114/00			232/00			19/42			65/32	472,473	C 08 F	283/00
		136/00			236/20		C 08 F	8/00		C 08 L	61/00		C 08 G	* 4/00
		214/00	332.6,332.7	C 08 C	19/00			8/42			67/00			10/04
		236/00		C 08 F	8/34			8/44			71/00			14/02
330.9	C 08 F	8/00			32/00			19/22	415	C 08 G	63/91			16/04
		14/00			36/20	374	C 08 C	8/30		C 08 L	67/00		C 08 L	61/00
		36/00			132/00		C 08 F	8/44	416	C 08 F	283/00			61/20
		114/00			136/20			19/22		C 08 G	61/02	474	C 08 F	283/00
		136/00			232/00	375	C 08 C	8/32		C 08 L	65/00			283/12
		214/00			236/20		C 08 F	19/22	417	C 08 F	283/00		C 08 G	77/00
		236/00	332.8	C 08 F	36/00	376,377	C 08 C	8/30		C 08 G	63/91			77/38
331.1	C 08 F	8/30			236/00		C 08 F	8/30	418	C 08 F	283/00		C 08 L	83/00
		14/00	332.9	C 08 F	36/00	378	C 08 C	19/22		C 08 G	63/91	475	C 08 F	283/00
		36/00			236/10		C 08 F	8/30		C 08 L	67/00			283/12
		114/00	333.1	C 08 F	36/08	379-382	C 08 C	19/22	419	C 08 F	283/00		C 08 G	77/00
		136/00			136/00		C 08 F	8/32		C 08 G	63/91			77/38
		214/00			136/08		C 08 C	19/00			69/48		C 08 L	83/00
		236/00			236/00	383	C 08 F	8/12		C 08 L	67/00			85/00
331.2	C 08 F	8/18			236/08		C 08 C	19/00			77/00	476	C 08 F	283/00
		14/00	333.2	C 08 F	36/06	384	C 08 C	8/00	420	C 08 F	283/04			283/12
		36/00			136/06		C 08 F	8/14		C 08 G	69/48		C 08 G	77/00
		114/00	333.3	C 08 F	12/08			19/00		C 08 L	77/00			77/38
		136/00			112/08	385	C 08 C	8/00	420.5	C 08 F	283/04		C 08 L	63/00
		214/00			212/08		C 08 F	8/28		C 08 G	69/44			83/00
		236/00	333.4	C 08 F	8/18		C 08 C	19/00		C 08 L	77/00	477,478	C 08 F	283/00
331.3	C 08 F	8/30			12/08	386	C 08 F	8/00	421	C 08 F	283/04			283/12
		14/00			112/08			8/14		C 08 G	69/48		C 08 G	77/00
		14/02	333.5	C 08 F	212/08			8/46	422	C 08 F	283/04			77/38
		36/00			8/34	387	C 08 C	19/04		C 08 G	69/48	479	C 08 L	83/00
		114/00			12/08		C 08 F	8/06			73/10		C 08 F	283/00
		136/00			112/08	388	C 08 C	19/04		C 08 L	77/00	480	C 08 F	283/00
		214/00	333.6	C 08 F	8/30		C 08 F	8/06	423	C 08 F	283/04		C 08 G	8/28
		236/00			12/08		C 08 C	283/00		C 08 G	69/48		C 08 L	61/00
331.4	C 08 F	114/02			112/08	389	C 08 F	79/00		C 08 L	63/00	481-486	C 08 F	283/00
		214/02			212/08		C 08 G	85/00			77/00		C 08 G	8/28
331.5	C 08 F	14/06			10/00		C 08 L	65/48		C 08 F	283/04		C 08 L	61/00
		14/08	333.7	C 08 F	110/00	390	C 08 G	71/12	424	C 08 F	69/48			61/06
		114/06			210/00		C 08 L	283/08		C 08 G	75/00			63/00
		114/08			8/00	391,392	C 08 C	65/48		C 08 L	77/00	487	C 08 F	283/00
		214/06	333.8	C 08 F	10/00	393	C 08 G	71/12	425	C 08 F	283/04		C 08 G	8/28
		214/08			110/00		C 08 L	83/00		C 08 G	69/48		C 08 L	61/00
331.6	C 08 F	8/18			210/00	394	C 08 G	65/48		C 08 L	67/00			61/06
		14/06	333.9	C 08 F	8/34		C 08 L	71/12	426	C 08 F	283/04			63/00
		14/08			110/00	395	C 08 G	65/48						83/00
		114/06			210/00									
		114/08												

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 525—Con.			504	C 08 G	8/28	534	C 08 F	283/00	173	C 08 F	4/46			20/22
				C 08 L	61/00		C 08 G		174,175	C 08 F	4/56			118/00
488	C 08 F	283/00			61/06	535-537	C 08 F	283/00	176	C 08 F	4/44			120/22
	C 08 G	8/28	505	C 08 F	283/00		C 08 G	75/00	177	C 08 F	4/52			218/00
	C 08 L	61/00		C 08 G	8/28		C 08 L	81/00	178	C 08 F	4/52			220/22
		61/06		C 08 L	61/00	538	C 08 F	283/00			4/58	246	C 08 F	18/20
		63/00			81/00		C 08 G	79/02		C 08 F	4/46	247	C 08 F	16/24
		67/00					C 08 L	85/02	179-182	C 08 F	4/44			116/12
		77/00	506	C 08 F	283/00	539,540	C 08 F	283/00	183,184	C 08 F	4/52			216/12
489	C 08 F	283/00		C 08 G	8/28		C 08 G		185-187	C 08 F	4/44	248	C 08 F	126/00
	C 08 G	8/28		C 08 L	61/00				188	C 08 F	4/52			226/00
	C 08 L	61/00			61/06				189	C 08 F	4/44			12/20
		61/06			85/04				190,191	C 08 F	2/00	249	C 08 F	14/18
490	C 08 F	283/00	507	C 08 F	283/00	U.S. Class 526			192	C 08 F	4/00			114/18
	C 08 G	8/28		C 08 G	8/28	PART OF THE CLASS 520 SERIES --			193	C 08 F	2/00			214/18
	C 08 L	61/00		C 08 L	61/06	SYNTHETIC RESINS OR NATURAL					4/16	250	C 08 F	114/18
		61/06	508	C 08 F	283/00	RUBBERS			194	C 08 F	4/12			214/18
491	C 08 F	283/00		C 08 G	8/28	59-72	C 08 F	2/00	195	C 08 F	4/12	251	C 08 F	12/18
	C 08 G	8/28		C 08 L	61/00		C 08 G	85/00	196-198	C 08 F	4/52			112/00
	C 08 L	61/00	509	C 08 F	283/00	73-81	C 08 F	2/00	199-203	C 08 F	2/00			212/00
		61/06		C 08 G	8/28	82-85	C 08 F	2/38	204,205	C 08 F	4/00	252	C 08 F	36/16
492	C 08 F	283/00		C 08 L	61/00	86-88	C 08 F	2/00		C 08 F	2/00			136/16
	C 08 G	8/28			61/20	89	C 08 F	2/00	206-216	C 08 F	2/00			236/16
	C 08 L	61/00	510-512	C 08 F	283/00			4/00	217	C 08 F	4/00	253-255	C 08 F	14/18
		61/06		C 08 G	8/28	90	C 08 F	4/06		C 08 F	4/04			114/18
		61/18		C 08 L	61/00			4/40	218.1,219	C 08 F	2/00			214/18
		61/34			61/00	91	C 08 F	4/42	219.1-219.3	C 08 F	2/00	256	C 08 F	28/06
493	C 08 F	283/00			61/20			4/04			2/06			34/04
	C 08 G	8/28			61/34	92	C 08 F	4/42			2/08			128/06
	C 08 L	61/00	513	C 08 F	283/00	93,94	C 08 F	4/06	219.4	C 08 F	4/04			134/04
		61/06		C 08 G	8/28			4/40			2/06	257	C 08 F	28/06
494	C 08 F	283/00		C 08 L	61/00			4/42	219.5	C 08 F	2/16	258	C 08 F	26/06
	C 08 G	8/28			61/20	95,96	C 08 F	4/06			2/18			126/06
	C 08 L	61/00			61/34			4/42			2/22			226/06
		61/06			63/00	97	C 08 F	4/44	219.6	C 08 F	4/04			226/06
495	C 08 F	283/00	514	C 08 F	283/00	98	C 08 F	4/06	220	C 08 F	2/00	259	C 08 F	26/06
	C 08 G	8/28		C 08 G	8/28			4/44			4/00			32/08
	C 08 L	61/00		C 08 L	61/00	99,100	C 08 F	4/06	221	C 08 F	4/06			126/06
		61/06	515-517	C 08 F	283/00	101,102	C 08 F	4/06	222	C 08 F	2/00			132/08
		61/20		C 08 G	8/28			4/44			4/00			226/06
		61/34		C 08 L	61/00	103	C 08 F	4/26	223	C 08 F	2/00	260,261	C 08 F	26/06
496	C 08 F	283/00			61/20	104	C 08 F	4/24			4/00			126/06
	C 08 G	8/28			61/34	105	C 08 F	4/62	224,225	C 08 F	2/00			226/06
	C 08 L	61/00	517.5	C 08 G	12/40	106	C 08 F	4/24			4/00	262	C 08 F	22/40
		61/06		C 08 L	61/20	107	C 08 F	4/18			4/12			26/06
		61/20			91/00	108,109	C 08 F	4/72	226	C 08 F	4/28			122/40
		61/34	518	C 08 F	283/00	110,111	C 08 F	4/44	227	C 08 F	4/38			126/06
		71/00		C 08 G	8/30			4/72	228	C 08 F	4/30			222/40
497	C 08 F	283/00	519	C 08 G	8/28	112	C 08 F	4/72	229,229.5	C 08 F	4/32			226/06
	C 08 G	8/28		C 08 L	61/00	113	C 08 F	4/06	230-232	C 08 F	4/34	263	C 08 F	26/08
	C 08 L	61/00			61/20			4/72	232.1	C 08 F	4/36			26/10
		61/06			61/34	114	C 08 F	4/44	232.3	C 08 F	4/32			26/12
		61/26	520	C 08 G	8/28	115	C 08 F	4/70	232.5	C 08 F	2/00			126/08
		61/34		C 08 L	61/00	116	C 08 F	4/68	233,234	C 08 F	4/00			126/10
498	C 08 F	283/00			61/20	117	C 08 F	4/70			4/00			126/12
	C 08 G	8/28			61/34	118	C 08 F	4/06	235	C 08 F	2/00			226/08
	C 08 L	61/00			75/00			4/44	236	C 08 F	4/00			226/10
		61/06	521	C 08 F	283/00			4/72			4/00			226/12
		61/24		C 08 G	6/02	119	C 08 F	4/44	237,238	C 08 F	4/14	264	C 08 F	26/10
		61/34		C 08 L	61/02	120	C 08 F	4/06			1/00			26/08
499	C 08 F	283/00	522	C 08 F	283/00	121,122	C 08 F	4/44	238.1	C 08 H	1/00	265	C 08 F	26/06
	C 08 G	8/28		C 08 G	6/02	123	C 08 F	4/06	238.2-238.23	C 08 F				126/06
	C 08 L	61/00		C 08 L	61/02	124,125	C 08 F	4/44	238.3	C 08 F	1/00			226/06
		61/06	523-527	C 08 F	283/00	126	C 08 F	4/06			30/06	266	C 08 F	24/00
		61/20		C 08 G	59/14			4/42	239	C 08 F	130/06			34/02
		61/34		C 08 L	63/00	127-129	C 08 F	4/44			230/06			124/00
		81/00			63/00	130,131	C 08 F	4/06			130/04			134/02
500	C 08 F	283/00	528	C 08 F	283/00	132-134	C 08 F	4/44	240,241	C 08 F	130/04			224/00
	C 08 G	8/28			283/10	135	C 08 F	4/06			230/04			234/02
	C 08 L	61/00		C 08 G	59/14	136-144	C 08 F	4/44			12/20	267	C 08 F	244/00
		61/06		C 08 L	63/00	145-147	C 08 F	4/06	242	C 08 F	14/18	268-270	C 08 F	24/00
		61/20			75/00	148-153	C 08 F	4/44			114/18			34/02
		61/34	529,530	C 08 F	283/00	154	C 08 F	4/06			214/18			124/00
501	C 08 F	283/00		C 08 G	283/10	155-157	C 08 F	4/44			12/30			134/02
	C 08 G	8/28	531	C 08 F	283/00	158	C 08 F	4/64	243	C 08 F	14/18			224/00
	C 08 L	61/00		C 08 G	283/10	159-168	C 08 F	4/44			214/18	271	C 08 F	34/02
		61/06		C 08 F	59/16	169	C 08 F	4/64			12/22			122/04
501.5	C 08 G	8/32	532	C 08 F	283/00	169.1	C 08 F	4/70			14/18			222/04
	C 08 L	61/00			283/10	169.2	C 08 F	4/68	244	C 08 F	114/18			222/04
		91/00		C 08 G	59/14	169.3	C 08 F	4/60			214/18	272	C 08 F	24/00
502	C 08 F	283/00	533	C 08 G	59/14	170	C 08 F	4/72			18/20	273	C 08 F	124/00
	C 08 G	8/30			59/16	171	C 08 F	4/80						
503	C 08 G	8/28		C 08 L	63/00	172	C 08 F	4/06	245	C 08 F				

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 526—Con.														
		224/00			114/16			122/38			220/46			220/68
		224/00			214/04			220/60	318	C 08 F	20/10	328	C 08 F	20/10
		224/00			214/16			220/70			20/68			120/10
274-278	C 08 F	30/02	297	C 08 F	20/42	307.1	C 08 F	20/54			22/10	328.5,329	C 08 F	220/10
		130/02			20/70			20/70			120/10	329.1-329.6	C 08 F	220/12
		230/02			22/30			26/02			122/10			220/18
279	C 08 F	30/08			120/42			120/54			220/10	329.7	C 08 F	120/18
		130/08			120/70			120/70			220/68	330,331	C 08 F	218/02
		230/08			122/30			126/02			222/10	332,333	C 08 F	16/12
280,281	C 08 F	10/00			220/42			136/00	318.1	C 08 F	20/00			116/12
		32/08			220/70			136/02			22/00			216/12
		36/00			222/30			136/22			36/02	334	C 08 F	16/16
		132/08	298	C 08 F	20/42			120/54			120/00			16/32
		136/00			20/52			220/70			122/00			116/16
		232/08			20/70			226/02			220/00			216/16
		236/00			22/30			236/00			222/00	335	C 08 F	36/00
282	C 08 F	10/00			22/36			236/02			236/02			136/00
		36/00			120/42			236/22	318.2	C 08 F	22/02	336	C 08 F	12/34
		136/00			120/52	307.2,307.3	C 08 F	226/02			122/02			36/20
		236/00			120/70			236/02			222/02			112/34
283	C 08 F	36/00			122/30			236/22	318.25	C 08 F	222/02			136/20
		136/00			122/36			212/00	318.3	C 08 F	20/04			212/34
		236/00			220/42	307.4	C 08 F	216/00			20/64			236/20
284	C 08 F	10/00			220/52			218/00			120/04	337-340	C 08 F	236/00
		36/00			220/70			220/54			120/64	340.1	C 08 F	136/00
		136/00			222/30			220/70			120/64	340.2	C 08 F	136/08
		236/00			222/36			212/00			220/64	340.3	C 08 F	136/02
285	C 08 F	38/00	299	C 08 F	12/26	307.5	C 08 F	216/02			20/10	340.4	C 08 F	136/06
		138/00			20/42			216/12	318.4	C 08 F	20/10	341	C 08 F	20/44
		238/00			20/70			226/02			20/10			120/44
286,287	C 08 F	12/30			22/30	307.6	C 08 F	236/00	318.41	C 08 F	20/26	342	C 08 F	220/44
		28/02			120/42			236/02			220/10	343	C 08 F	14/08
		128/02			120/70			236/22			220/26			114/08
		228/02			122/30			218/00	318.42	C 08 F	20/26			214/08
288	C 08 F	12/30			220/42	307.7	C 08 F	218/02			220/26	344	C 08 F	14/06
		26/02			220/70			218/14	318.43	C 08 F	20/20	344.1-344.3	C 08 F	114/06
		28/02			222/30			212/00			22/14	345	C 08 F	214/06
		126/02	300	C 08 F	20/42	307.8	C 08 F	212/02			220/20	346	C 08 F	12/02
		128/02			20/70			212/34			222/14			112/02
		226/02			22/30			226/02	318.44,318.45	C 08 F	20/10	347	C 08 F	212/06
		228/02			120/42	308,309	C 08 F	32/00			220/10	347.1	C 08 F	112/06
289	C 08 F	12/30			120/70			132/00			20/06			112/12
		28/02			122/30			232/00	318.5,318.6	C 08 F	220/06	347.2	C 08 F	112/08
		128/02			220/42			12/28			118/02	348	C 08 F	210/00
		228/02			222/30	310	C 08 F	20/52	319	C 08 F	18/00	348.1	C 08 F	10/00
290	C 08 F	10/00			26/02			20/70	320	C 08 F	20/26			110/00
		12/00	301,302	C 08 F	126/02			22/40			20/68			210/00
		36/00			226/02			120/52			22/10	348.2-348.5	C 08 F	10/14
		110/00			20/54			120/70			118/00			110/14
		120/00	303.1	C 08 F	20/56			122/40			120/26	348.6	C 08 F	10/04
		136/00			20/70			220/52			120/68			10/14
		210/00			22/38			222/40			122/10			110/04
		220/00			26/00			20/34			218/00			110/14
		236/00			120/54	311	C 08 F	20/68			220/26			210/04
291	C 08 H	5/00			120/56			22/32	321	C 08 F	22/10	348.7	C 08 F	10/00
	C 08 F	14/14			120/70			26/00			122/10			110/10
		14/16			220/54			120/34			222/10			210/10
		114/14			222/38			120/68	322	C 08 F	18/16	348.8	C 08 F	210/02
		114/16			226/02			122/32			22/26			210/06
		214/14			236/00			126/00			118/16	351	C 08 F	110/06
292.1-292.9	C 08 F	18/00			20/58	304	C 08 F	220/34			122/26	352,352.2	C 08 F	110/02
		20/00			20/70			220/68			218/16			
292.95	C 08 F	22/00			22/38			222/32			222/26			
		118/00			120/58			226/00	323	C 08 F	22/26			
		120/00			120/70	312	C 08 F	26/00			122/26			
		122/00			122/38			126/00			222/26			
		218/00			220/58			226/00	323.1,323.2	C 08 F	20/10			
		220/00			220/70	313	C 08 F	12/24			120/10			
		222/00			222/38			16/12			220/10			
293	C 08 F	12/16			20/54			112/14	324,325	C 08 F	222/10			
294	C 08 F	14/14	305,306	C 08 F	20/60			116/12	326	C 08 F	18/16	100	C 08 G	
		14/16			20/70			212/14			20/10			1/06
		34/00			22/38			216/12			20/68	101,102	C 08 H	1/06
		114/14			120/54	314	C 08 F	18/24			118/16	103,105	C 08 H	5/04
		114/16			120/70	315	C 08 F	16/34			120/10	200-204	C 08 H	
		134/00			122/38			116/34			120/68	205,206	C 08 H	1/02
		214/14			220/54			216/34			218/16	207	C 08 H	
		214/16			220/70	316	C 08 F	16/36			220/10	300	C 08 G	
		234/00			222/38			116/36			220/68	301	C 08 G	18/00
295	C 08 F	34/00			20/60			216/36	327	C 08 F	20/40	302	C 08 G	18/48
		134/00	307	C 08 F	20/70	317.1	C 08 F	20/06			20/68	303	C 08 G	
		234/00			22/38			20/44			120/40	304,305	C 08 G	16/00
296	C 08 F	14/04			120/60			120/06			120/68	306,309	C 08 G	
		14/16			120/70			220/06			220/40	310	C 08 G	79/00
		114/04												

U.S. Class 527

PART OF THE CLASS 520 SERIES --
SYNTHETIC RESINS OR NATURAL
RUBBERS

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 527—Con.					18/38			14/04			14/02			73/10
					18/60			8/04			16/02			69/08
311	C 08 G	63/00	67	C 08 G	18/70	151	C 08 G	8/14	245.3	C 08 G	16/00	321	C 08 G	73/10
312-315	C 08 G		68	C 08 G	18/32			14/04	245.5	C 08 G	4/00			75/00
400	C 08 G				18/60	152-154	C 08 G	8/04			12/40			79/02
	C 08 H	5/02	69	C 08 G	18/71			14/04		C 08 L	91/00	322	C 08 G	73/10
401	C 08 G	18/00	70-72	C 08 G	18/28	155	C 08 G	8/04	246	C 08 G	2/00	323-326	C 08 G	69/14
		59/00			18/70			8/20			2/26	327	C 08 G	69/00
	C 08 H	5/02	73	C 08 G	18/28			8/22			6/00	328	C 08 G	69/10
403	C 08 G				18/77			14/04			10/02	329.1	C 08 G	69/36
	C 08 H	5/02	74	C 08 G	18/28	156-158	C 08 G	8/04			12/02	330,331	C 08 G	69/08
500	C 08 G				18/70			14/04			14/02	332,335	C 08 G	69/26
	C 08 H	5/00	74.5	C 08 G	18/00	158.5	C 08 G	8/04			16/02	336	C 08 G	69/28
501	C 08 G	18/00			91/00			8/32	247	C 08 G	10/02	337	C 08 G	69/42
		59/00	75	C 08 G	18/10			14/04			16/02			75/00
	C 08 H	5/00			18/67	159-161	C 08 G	8/04	248	C 08 G	2/00			79/02
503	C 08 G		76	C 08 G	18/30			14/04			12/02	338,339	C 08 G	69/26
	C 08 H	5/00			18/38	162	C 08 G	8/04			75/00	339.3	C 08 G	69/26
600	C 09 F	1/00			18/48			14/06	249	C 08 G	12/26			69/34
601	C 08 G	59/00			18/52	163	C 08 G	8/04			65/02	339.5	C 08 G	69/00
	C 09 F	1/00	77	C 08 G	18/32			14/06	250	C 08 G	2/22			69/26
602,603	C 08 G	8/34			18/38			14/10			59/00	340-344	C 08 G	69/26
	C 09 F	1/00			18/48	164	C 08 G	8/04	251	C 08 G	16/02	345	C 08 G	69/26
604	C 08 G	63/00			18/52			14/06			75/00			69/34
	C 09 F	1/00	78,79	C 08 G	18/38			14/08	252	C 08 G	12/28	346-350	C 08 G	69/26
					18/48	165	C 08 G	8/04	253	C 08 G	2/00	351	C 08 G	69/28
					18/52	166	C 08 G	79/00			12/02	352	C 08 G	69/42
			80,81	C 08 G	18/34	167-169	C 08 G	79/02			75/00			75/00
					18/42	170	C 08 G	73/00	254	C 08 G	12/30			79/02
					18/68	171-175	C 08 G	75/00	255	C 08 G	12/30	353	C 08 G	69/26
			82	C 08 G	18/38	176-191	C 08 G	63/00			75/00	354	C 08 G	63/08
					18/42	192	C 08 G	63/02			12/34	355-358	C 08 G	63/82
					18/68			63/54	256,257	C 08 G	12/30	359	C 08 G	63/08
					18/30	193-195	C 08 G	63/02	258	C 08 G	12/30	360	C 08 G	63/68
1	C 08 G	83/00	83	C 08 G	18/42			63/18	259-264	C 08 G	12/20			75/00
2	C 08 G	75/00			18/68	196-201	C 08 G	64/00	265	C 08 G	12/24	361	C 08 G	63/06
3	C 08 G	2/00			18/34	202	C 08 G	63/68			16/02			63/66
4	C 08 G	79/08	84	C 08 G	18/42	203	C 08 G	69/00			75/00			65/02
5	C 08 G	77/56			18/68	204	C 08 G	64/00	266	C 08 G	12/04	362	C 08 G	63/44
		79/08			18/32	205	C 08 G	63/78	267	C 08 G	16/02	363	C 08 G	63/44
6-8	C 08 G	79/08	85	C 08 G	18/40	206	C 08 G	63/06			69/38			73/00
9	C 08 G	79/00			18/30			63/06	268	C 08 G	12/14	364	C 08 G	63/68
10	C 08 G	77/00			18/40			65/38	269	C 08 G	12/06			75/00
12-24	C 08 G	77/06	86	C 08 G	59/00	207,208	C 08 G	63/06	270	C 08 G	2/00	365	C 08 G	59/00
25,26	C 08 G	77/04	87	C 08 G	65/08	209	C 08 G	63/06			6/00			63/00
26.5	C 08 G	77/00			65/14			63/12	271	C 08 G	63/00	366	C 08 G	63/00
		77/04			59/68	210	C 08 G	65/38			67/00	367-369	C 08 G	73/00
	C 08 L	91/00	88-95	C 08 G	65/10	211	C 08 G	65/40			69/00	370-372	C 08 G	64/00
27-29	C 08 G	77/04			59/00	212-219	C 08 G	65/38	272	C 08 G	63/02	373	C 08 G	75/00
30	C 08 G	77/22	96-100	C 08 G	65/08	220-225	C 08 G	2/00	274-286	C 08 G	63/78	374-376	C 08 G	75/04
31	C 08 G	77/12			65/14			4/00			63/82	377-379	C 08 G	75/00
32	C 08 G	77/20			59/00			6/00			63/87			75/32
33,34	C 08 G	77/04	101	C 08 G	65/14			10/00	287	C 08 G	63/68	380,381	C 08 G	75/00
35	C 08 G	77/60			59/00			12/00			79/02	382-386	C 08 G	75/20
36	C 08 G	77/24	102-104	C 08 G	65/08			14/00	288	C 08 G	63/44	387-389	C 08 G	75/14
37	C 08 G	77/04			65/14			16/00			69/00	390	C 08 G	75/00
38	C 08 G	77/26			59/40	226	C 08 G	2/00			69/44			75/26
39-41	C 08 G	77/00	105	C 08 G	59/62			4/00	289	C 08 G	69/44			75/28
42	C 08 G	77/24	106-109	C 08 G	65/00			6/00			73/16	391	C 08 G	75/18
43	C 08 G	77/00			59/40			10/00	290	C 08 G	63/68			75/20
44	C 08 G	18/00	110,111	C 08 G	59/62			12/00			69/00			75/24
45	C 08 G	18/81			65/00			16/00			69/44			75/30
48-50	C 08 G	18/08			59/42			75/00			75/00	392	C 08 G	67/02
		18/16	111.3	C 08 G	59/16	227	C 08 G	2/18	291	C 08 G	69/44	393	C 08 G	65/02
51	C 08 G	18/08	111.5	C 08 G	91/00			6/02	292	C 08 G	69/08			67/00
		18/22		C 08 L	59/40	228,229	C 08 G	12/00			69/44	394	C 08 G	79/08
52	C 08 G	18/08	112-115	C 08 G	59/42	230	C 08 G	2/00	293-295	C 08 G	63/68	395	C 08 G	79/00
		18/16			65/00			4/00			75/00	396,397	C 08 G	61/00
		18/18			59/40			6/00	295.3	C 08 G	63/54	398-400	C 08 G	79/02
53	C 08 G	18/08	116-118	C 08 G	65/00			10/00	295.5	C 08 G	63/48	401	C 08 G	73/24
		18/18			59/44			12/00	296	C 08 G	63/12	402	C 08 G	65/22
54	C 08 G	18/08	119-124	C 08 G	59/50			14/00	297	C 08 G	63/42	403-407	C 08 G	59/00
		18/20			65/00			16/00	298	C 08 G	63/02			65/00
55-57	C 08 G	18/08			8/02	232-243	C 08 G	4/00			63/18	408-416	C 08 G	59/68
		18/22	125,126	C 08 G	14/00			6/00	299	C 08 G	63/68			65/04
58	C 08 G	18/08			8/26			10/02	300,301	C 08 G	63/66	417	C 08 G	59/00
		18/24	127	C 08 G	8/02			12/02	302	C 08 G	63/16			65/00
59	C 08 G	18/10	128	C 08 G	8/04			14/02	303	C 08 G	63/52	418	C 08 G	59/00
60	C 08 G	18/10	129-147	C 08 G	14/02			16/02	304	C 08 G	63/54	419-421	C 08 G	65/04
		18/30			8/04	244	C 08 G	10/02	305	C 08 G	63/18	422	C 08 G	73/00
61	C 08 G	18/10	148	C 08 G	8/18			79/02	306	C 08 G	63/52	423,424	C 08 G	73/06
		18/32			14/04	245	C 08 G	2/00	307,308	C 08 G	63/00	425	C 08 G	65/34
62-64	C 08 G	18/10	149	C 08 G	8/04			4/00	308.1-309.1	C 08 G	63/00	480-503	C 08 F	6/00
		18/32			8/16			6/00			63/16			C 08 G
65,66	C 08 G	18/10			14/04			10/02			63/18			C 08 J
		18/32	150	C 08 G	8/04			12/02	310-320	C 08 G	69/08	950	C 08 F	3/00

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 528—Con.														
	C 08 G		357	C 09 H	17/00	395-397	C 07 K	17/00	574	C 09 B	44/00			33/00
				A 61 K	1/00			3/00	575-577	C 07 C	245/00			35/00
				C 07 K	37/12			13/00			321/00			37/00
					3/00			15/00			323/00	661-663	C 09 B	45/38
					13/00	398	A 61 K	17/00		C 09 B	381/00	664-688	C 09 B	29/00
					15/00			37/38			27/00			31/00
					17/00		C 07 K	3/00			31/00			33/00
				C 08 H	1/06			13/00			33/00			35/00
				A 61 K	37/08			15/00			35/00			37/00
			358		37/10			17/00	578	C 09 B	27/00	689-691	C 09 B	56/04
					3/00	399	A 61 K	37/24	579	C 09 B	41/00	692-694	C 09 B	45/00
			359	C 07 K	13/00			37/36	580	C 09 B	27/00	695	C 09 B	56/02
					15/00		C 07 K	3/00	581-584	C 09 B	41/00	696-715	C 09 B	45/00
					17/00			13/00	585-587	C 09 B	27/00	716-719	C 09 B	45/24
				C 09 H	1/04			15/00	588-590	C 09 B	43/00	720-725	C 09 B	45/14
				A 23 J	1/20			17/00	591,592	C 09 B	43/12	726	C 09 B	29/00
				A 61 K	37/16	400,401	C 07 K	3/00	593	C 09 B	43/00			31/00
				C 07 K	3/00			15/00			43/22			33/00
					13/00			17/00			43/30			35/00
					15/00	402-406	C 07 K	3/00	594	C 09 B	43/02			37/00
					17/00			13/00			43/24	727	C 09 B	29/00
				C 08 H	1/04			15/00	595	C 09 B	43/18			31/047
			361-369	C 07 K	3/00			17/00			43/30			31/057
					13/00			1/00	596	C 09 B	43/28			31/065
					15/00	407	C 08 H	37/18	597,598	C 09 B	43/40			31/072
					17/00		A 61 K	3/00	599	C 09 B	43/00			31/078
					17/00		C 07 K	13/00	600	C 09 B	43/08			33/00
				C 09 H	35/78			15/00	601	C 09 B	43/04			35/00
					35/80			17/00	602	C 09 B	45/01			37/00
				C 07 K	3/00	408,409	C 07 K	3/00	603	C 09 B	44/00			39/00
					13/00			13/00			44/02	728-737	C 09 B	29/00
					15/00			15/00	604,605	C 09 B	44/08			31/00
					17/00			17/00	606-611	C 09 B	44/10			33/00
				A 23 J	1/18			1/00	612	C 09 B	44/08			35/00
				A 61 K	35/78	410	C 08 H	3/00	613-615	C 09 B	44/02			37/00
				C 07 K	3/00		C 07 K	13/00	616	C 09 B	46/00	738	C 09 B	56/02
					13/00			15/00	617	C 09 B	62/006	739-742	C 09 B	29/00
					15/00			17/00			62/026			29/32
					17/00		C 08 H	1/00			62/447			37/00
					17/00			1/02			62/767	743	C 09 B	31/00
				A 23 J	1/12	411	C 07 K	3/00			62/82			31/24
				A 61 K	35/78			13/00	618	C 09 B	62/018			33/00
				C 07 K	35/80			15/00			62/038			35/00
					3/00			17/00			62/463			37/00
					13/00	412-427	C 08 H	1/00	619-628	C 09 B	62/012	744-748	C 09 B	31/00
					15/00		A 23 J	1/00			62/032			31/10
				C 07 K	17/00		C 07 K	3/00			62/455			33/00
					13/00			15/00			62/495			33/153
					15/00			17/00	629	C 09 B	62/012			35/00
					17/00	500-507	C 07 G	1/00			62/032			35/035
					15/00		C 08 L	97/00			62/455			37/00
					17/00						62/527	749,750	C 09 B	29/00
				A 23 J	1/14				630,631	C 09 B	62/026			31/00
				A 61 K	35/78						62/347			33/00
					35/80						62/40			35/00
				C 07 K	3/00						62/489			37/00
					13/00	U.S. Class 532			632-638	C 09 B	62/08	751-753	C 09 B	29/033
					15/00	PART OF THE CLASS 532 - 570 SERIES					62/16			29/09
					17/00	-- ORGANIC COMPOUNDS					62/24			29/22
					17/00	1	C 07 G				62/32			29/36
					35/78				639	C 09 B	62/00			37/00
					35/80				640	C 09 B	62/00			39/00
				C 07 K	3/00						62/006	754,755	C 09 B	31/00
					13/00						62/58			31/16
					15/00						62/767			31/30
					17/00						62/82			33/00
					17/00				641,642	C 09 B	62/507			33/18
					35/14						62/527			35/00
				C 07 K	3/00						62/47			35/35
					13/00	7	C 07 C				62/66			35/36
					15/00	10	C 07 F				62/00			35/378
					17/00	11-13	C 07 F	5/00			62/006			35/38
					35/14	14	C 07 F	13/00			62/58			35/50
				C 07 K	3/00	15,16	C 07 F	5/00			62/767			35/64
					13/00	550-565	C 07 C	245/00			62/82	756-764	C 09 B	31/02
					15/00	566-572	C 07 C	291/00			29/00			33/02
					17/00	573	C 07 C	245/00	645-651	C 09 B	31/00			35/02
					35/14			321/00			33/00			37/00
					37/475			323/00			35/00			39/00
				C 07 K	3/00			381/00			37/00	765	C 09 B	29/033
					13/00		C 09 B	27/00			56/10			29/09
					15/00			31/00	652	C 09 B	56/00			29/22
					17/00			33/00	653	C 09 B	56/12			29/36
					35/14	385-394	A 61 K	35/00	654-656	C 09 B	56/00	766	C 09 B	29/42
				C 07 K	3/00		C 07 K	37/00	657,658	C 09 B	56/00	767	C 09 B	29/52
					13/00			39/00	659,660	C 09 B	31/00	768	C 09 B	29/42
					15/00			41/00						

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 534—Con.			816	C 07 C	245/00			5/06	102	C 08 B	31/00			67/00
		29/44		C 09 B	31/02			37/00			33/00	138	C 09 B	47/10
769	C 09 B	29/46			33/02	20	C 08 B	37/08			35/00	139,140	C 09 B	47/04
770-773	C 09 B	29/42	817,818	C 07 C	245/00	21	C 08 B	37/10	103	C 08 B	37/16			62/00
774-787	C 09 B	29/033		C 09 B	33/056	22	C 07 H	19/00	104	C 08 B	35/00			67/00
		29/09			35/02	23,24	C 07 H	17/00	105	C 08 B	31/18	141	C 09 B	67/04
		29/22			35/26	25	C 07 H	23/00			33/08			67/50
		29/36	819,820	C 07 C	245/00	26	C 07 H	19/06	106	C 08 B	31/00	142-144	C 09 B	47/04
788	C 09 B	29/039		C 09 B	31/02	27-29	C 07 H	15/12			33/00	145	C 07 B	47/00
		29/09			33/02			17/00			35/00		C 07 D	487/22
		29/22			35/02	30,31	C 08 B	3/00	107	C 08 B	31/02	200,201	C 07 D	205/00
		29/36			35/28	32-34	C 08 B	5/00			33/02	202	C 07 D	229/00
789	C 09 B	29/033	821	C 07 C	245/00			5/02			35/02			273/00
		29/09		C 09 B	31/02	35	C 08 B	5/02	108	C 08 B	31/02	203	C 07 D	285/00
		29/22			33/02	36	C 08 B	3/00			31/16	204	C 07 D	205/12
		29/36			35/22			5/02			33/02			223/00
790	C 09 B	29/036			35/227			7/00			33/06	205	C 07 D	225/00
		29/09			35/233	37	C 08 B	1/04			35/02			221/00
		29/22	822-826	C 07 C	245/00	38-40	C 08 B	5/04			35/06			237/00
		29/36		C 09 B	31/02	41	C 08 B	5/04	109,110	C 08 B	31/02			239/00
		29/09			33/02			5/10			33/02			241/00
791	C 09 B	29/033			35/02	42	C 08 B	5/08			35/02			251/00
		29/09			35/08	43	C 08 B	11/00	111	C 08 B	31/08			253/00
		29/22	827-837	C 07 C	245/00	44	C 08 B	11/193			33/04			255/00
		29/36		C 09 B	31/02	45	C 08 B	31/00			35/04			257/00
792,793	C 09 B	29/033			33/02			33/00	112,113	C 08 B	37/02	214	C 07 D	259/00
		29/09			35/02			35/00	114	C 07 G	17/00			279/00
		29/22			35/02			37/00			37/00			285/00
		29/36	838-886	C 07 C	245/00	46	C 08 B	30/18			11/00			295/00
794	C 09 B	29/033		C 09 B	29/00			37/16	115	C 07 H	11/00			419/00
		29/09	887	C 09 B	46/00	47	C 08 B	31/00	116	C 07 H	15/04			513/00
		29/22						33/00	117	C 07 H	11/04	215-217	C 07 D	501/00
		29/36						35/00			13/00	218	C 07 D	501/02
795	C 09 B	29/039				48	C 08 B	31/02	118	C 07 H	13/12			501/10
		29/09	U.S. Class 536					33/02	119	C 07 H	13/02	219	C 07 D	501/18
		29/22	PART OF THE CLASS 532-570 SERIES --					35/02	120	C 07 H	15/04	220	C 07 D	501/12
		29/36	ORGANIC COMPOUNDS			49	C 08 B	31/02	121	C 07 H	23/00	221-228	C 07 D	501/00
796	C 09 B	31/00						31/16	122	C 07 H	17/00			501/14
		31/16	1.1	C 07 H	1/00			33/02	123-126	C 07 G	1/00	229,230	C 07 D	501/00
		31/30			3/00			33/06			3/00	300,301	C 07 D	498/00
		33/00		C 08 B	37/00			35/02			37/00	302	C 07 D	487/00
		33/18		C 13 K				35/06			3/00	303	C 07 D	487/00
		35/00	2	C 08 B	37/06	50	C 08 B	31/08			1/06	304	C 07 D	498/00
		35/35	3	C 08 B	37/04			33/04	127,128	C 13 K	1/08	305	C 07 D	499/00
		35/36	4.1	C 07 G	3/00			35/04						499/00
		35/378			11/00	51	C 08 B	37/02				306	C 07 D	499/90
		35/38		C 07 H	15/00	52	C 07 G	17/00				307	C 07 D	499/00
		35/50			17/00			37/00						499/00
		35/64	4.4	C 07 G	3/00	53-55	C 07 G							499/90
797	C 09 B	31/02		C 07 H	15/24		C 07 H	37/00	U.S. Class 540			308-310	C 07 D	499/00
		33/02	5.6	C 07 J			C 08 B	5/04	PART OF THE CLASS 532-570 SERIES --			311	C 07 D	499/00
		35/02	6.1-6.3	C 07 H	15/24	55.1-55.3	C 07 H	5/06	ORGANIC COMPOUNDS					499/28
		37/00		C 07 J	17/00			5/06						499/40
		39/00	6.4	C 07 H	15/24		C 08 B	37/00	1	C 07 D	345/00	312	C 07 D	499/00
798-802	C 09 B	29/033	6.5-7.5	C 07 H	17/08	56	C 08 B				517/00			499/00
		29/09	8	C 07 H	15/00	57	C 08 B	16/00				313	C 07 D	499/02
		29/22			17/00	58,59	C 08 B	3/00				314	C 07 D	499/44
		29/36	8.8,13	C 07 H	17/06			5/00	2-5	C 07 J	21/00	315	C 07 D	499/04
803	C 09 B	29/033	13.1	C 07 H	15/20			7/00	6-10	C 07 J	19/00	316,317	C 07 D	499/12
		29/09	13.2-13.9	C 07 H	15/20			13/00	11	C 07 J	21/00			499/08
		29/22			15/22	60,61	C 08 B	9/00	12-14	C 07 J	53/00	318	C 07 D	499/04
		29/52	14-16	C 07 H	15/22	62	C 08 B	3/00	15	C 07 J	71/00	319,320	C 07 D	499/16
804	C 09 B	29/033	16.1	C 07 H	17/04			5/00	16-27	C 07 J	21/00	321	C 07 D	499/18
		29/09	16.2-16.5	C 07 H	15/16			7/00	28	C 07 J	43/00	322	C 07 D	499/14
		29/22	16.6	C 07 H	15/20			13/00	29	C 07 J	33/00	323	C 07 D	499/18
		29/36			15/22	63	C 08 B	3/00	30	C 07 J	21/00	324	C 07 D	499/80
805	C 07 C	245/00	16.7	C 07 H	17/04	64,65	C 08 B	3/16	31-46	C 07 J	53/00	325	C 07 D	499/48
	C 09 B	31/30	16.8,16.9	C 07 G	11/00	66	C 08 B	13/00	47	C 07 J	71/00	326	C 07 D	499/76
		33/00		C 07 H	17/00	67	C 08 B	3/04	48-93	C 07 J	17/00	327	C 07 D	499/46
		33/18			17/00	68	C 08 B	3/08	94	C 07 J	43/00	328-330	C 07 D	499/48
		35/00	17.1	C 07 H	15/00	69	C 08 B	3/06	95-99	C 07 J	17/00	331,332	C 07 D	499/22
		35/64			17/00	70-75	C 08 B	1/02	100-105	C 07 J	41/00	333	C 07 D	499/48
806-808	C 07 C	245/00			23/00	76-80	C 08 B	3/22	106	C 07 J	43/00			499/26
	C 09 B	31/30	17.2-17.9	C 07 H	15/00	81	C 08 B	3/30	107-113	C 07 J	17/00	334	C 07 D	499/48
		33/00			17/00	82	C 08 B	3/22	114-119	C 07 J	47/00			499/48
		33/18			17/02	83	C 08 B	3/06			487/22	335,336	C 07 D	499/46
		35/50	18.1	C 07 H	15/24	84	C 08 B	11/00	120	C 07 J	62/00	337,338	C 07 D	499/74
809-815	C 07 C	245/00	18.2	C 07 H	15/00	85-89	C 08 B	11/20	121	C 07 D	47/04	340-342	C 07 D	499/48
	C 09 B	31/16			15/06	90,91	C 08 B	11/193			62/00	343	C 07 D	499/22
		33/00	18.3	C 07 H	15/00	92	C 08 B	11/187	122,123	C 09 B	62/00	344	C 07 D	499/26
		33/18			15/08	93	C 08 B	11/187			67/00	345	C 07 D	499/24
		35/00	18.4	C 07 H	15/00	94	C 08 B	11/16	124-126	C 07 D	487/22	346	C 07 D	499/04
		35/35	18.5,18.6	C 07 G	3/00	95,96	C 08 B	47/04			347-349	347	C 07 D	487/08
		35/36		C 07 H	15/00	97,98	C 08 B	11/12			62/00	350,351	C 07 D	487/04
		35/378			17/00	99,100	C 08 B	11/02	127-137	C 09 B	47/04	352,353	C 07 D	513/00
		35/38	18.7	C 07 H	5/04	101	C 08 B	15/05			62/00	354-364	C 07 D	205/08

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 540—Con.			500	C 07 D	243/10	557	C 07 D	243/10			513/00			417/00
450-452	C 07 D	225/00	501	C 07 D	255/04			487/12	32	C 07 D	279/02	134-136	C 07 D	417/00
453	C 07 D	225/04			257/10			491/00			279/08	137	C 07 D	413/00
454	C 07 D	267/22	502	C 07 D	487/00	558,559	C 07 D	513/00			279/14			419/00
		281/18			491/00			515/00	33	C 07 D	513/00	138-153	C 07 D	413/00
		291/00			495/00			515/00			279/02	154-156	C 07 D	265/30
		337/16	503	C 07 D	491/00	560	C 07 D	513/00	34	C 07 D	513/00	157	C 07 D	295/00
		487/00			495/00			515/00	35-37	C 07 D	279/18			265/30
455	C 07 D	267/22	504	C 07 D	243/12			491/00	38	C 07 D	279/22			295/22
		281/18	505	C 07 D	243/18	561-566	C 07 D	515/00	39,40	C 07 D	279/18	158	C 07 D	265/30
		291/00	506-514	C 07 D	243/24	567	C 07 D	487/12	41	C 07 D	279/24			295/00
		337/16	515	C 07 D	243/28			243/00	42-46	C 07 D	417/00			295/08
		487/00	516	C 07 D	243/30	568	C 07 D	487/02	47	C 07 D	279/02			295/10
		513/00	517,518	C 07 D	243/12			491/00			279/08			295/22
456-459	C 07 D	267/22	519	C 07 D	223/14			513/00			279/14	159,160	C 07 D	265/30
		281/18			487/00	569-574	C 07 D	515/00			513/00			295/00
		291/00	520	C 07 D	487/00			243/14	48	C 07 D	513/00			295/12
		337/16			491/00	575	C 07 D	243/08	49-52	C 07 D	279/16			295/22
		487/00			513/00	576	C 07 D	223/14	53,54	C 07 D	279/04	161	C 07 D	265/30
		498/00	521-523	C 07 D	487/00	577	C 07 D	487/00			279/06			295/00
460	C 07 D	245/00			491/00	578-580	C 07 D	487/00	55	C 07 D	417/00			295/10
461	C 07 D	225/04	524	C 07 D	401/00			498/00	56-58.7	C 07 D	279/10			295/22
		487/00			405/00			513/00			279/12	162	C 07 D	265/30
462	C 07 D	491/00			409/00	581	C 07 D	515/00			279/12			295/06
463,464	C 07 D	225/02			411/00	582	C 07 D	223/00	59	C 07 D	279/12			295/12
465	C 07 D	225/00			413/00			295/00	60-62	C 07 D	417/00	163	C 07 D	265/30
466	C 07 D	267/22			415/00	583	C 07 D	223/00	63	C 07 D	265/00			295/14
467	C 07 D	281/18			417/00			295/16	64	C 07 F	273/00	164	C 07 D	265/30
		337/16			419/00	584	C 07 D	223/14	65	C 07 D	273/00	165,166	C 07 D	265/30
		267/22			421/00	585	C 07 D	223/00	66	C 07 D	273/04			295/12
468,469	C 07 D	267/22	525	C 07 D	403/00			295/04	67,68	C 07 D	273/04			295/22
		281/18	526	C 07 D	223/10	586	C 07 D	223/14	69	C 07 F	273/00	167	C 07 D	265/30
		291/00	527,528	C 07 D	223/12	587-592	C 07 D	223/18	70	C 07 D	273/00			295/06
		337/16	529-531	C 07 D	223/10	593-595	C 07 D	223/16			295/00	168,169	C 07 D	265/30
		487/00	532,533	C 07 D	201/00	596	C 07 D	405/00	71	C 07 D	265/00			295/18
		491/00	534	C 07 D	201/02			409/00			295/00	170	C 07 D	265/30
		513/00			201/10	597	C 07 D	401/00	72	C 07 D	265/00			265/32
470	C 07 D	245/00	535-537	C 07 D	201/04	598,599	C 07 D	413/00			273/00			295/08
471-473	C 07 D	245/00	538,539	C 07 D	201/02			415/00			295/00			295/10
474,475	C 07 D	255/02	540	C 07 D	201/16	600-603	C 07 D	417/00			498/00	171	C 07 D	265/30
		257/02	541,542	C 07 F	223/00	604	C 07 D	403/00	73	C 07 D	265/02			295/18
		259/00			223/14	605,606	C 07 D	223/12			265/12	172	C 07 D	265/30
476-479	C 07 D	487/00	543	C 07 D	487/00	607-611	C 07 D	223/04	74-77	C 07 D	498/00	173	C 07 D	265/30
		491/00			491/00	612	C 07 D	295/00	78,79	C 07 D	265/30			265/32
		513/00			513/00	U.S. Class 544			80-83	C 07 D	413/00	174	C 07 D	265/30
480	C 07 D	403/00	544	C 07 D	267/02	PART OF THE CLASS 532-570 SERIES --			84	C 07 D	265/30			295/10
		405/00			281/02	ORGANIC COMPOUNDS					295/00			295/22
		409/00	545	C 07 D	273/00	1	C 07 D	291/00	85	C 07 D	265/30	175	C 07 D	265/30
		411/00			285/36	2	C 07 D	279/00			295/08			295/10
481	C 07 D	401/00	546	C 07 D	267/02	3	C 07 D	285/00	86	C 07 D	265/30			295/18
482,483	C 07 D	225/00			281/08	4	C 07 D	295/00	87	C 07 D	265/12	176	C 07 D	265/30
484	C 07 D	223/00	547	C 07 D	267/02			279/00	88	C 07 D	265/04	177	C 07 D	265/30
485	C 07 D	223/10			281/02			285/00	89,90	C 07 D	265/12			265/32
486,487	C 07 F	223/10			291/08			295/00			498/00	178	C 07 D	265/30
488	C 07 D	267/02			498/00			295/00			498/00			295/02
		281/02	548	C 07 D	498/00	4	C 07 D	279/00	91	C 07 D	498/00	179	C 07 D	257/08
		291/08			513/00			285/00	92,93	C 07 D	265/12			257/12
		498/00			515/00			295/00	94	C 07 D	265/26			251/00
		513/00	549-551	C 07 D	267/02			279/00	95	C 07 D	498/00	180	C 07 D	251/00
		515/00			281/02			285/00	96	C 07 D	413/00			253/00
489	C 07 D	273/02			291/08	5	C 07 D	279/00	97	C 07 D	413/12	181	C 07 F	
		273/08	552	C 07 D	267/02			285/00	98	C 07 D	265/28	182	C 07 D	253/00
		285/36			281/02			295/00			295/00	183	C 07 D	487/00
490,491	C 07 D	267/02			291/08	7,8	C 07 D	285/16			265/34			487/00
		281/02			498/00	9	C 07 D	285/18			498/00	184	C 07 D	487/12
		291/08			513/00			285/34			265/34	185,186	C 07 D	251/00
		498/02	553	C 07 D	243/00			285/22	100	C 07 D	265/34	187	C 07 D	403/00
		513/02	554	C 07 D	255/00	10,11	C 07 D	285/22	101	C 07 D	498/02	188	C 07 D	251/00
		515/02			257/00			285/34			498/12	189	C 07 D	251/38
492	C 07 D	243/00			259/00			285/22	102-104	C 07 D	265/38			251/28
493	C 07 D	243/10			243/00	12	C 07 D	285/22			265/36	190,191	C 07 D	251/32
494	C 07 D	487/00	555	C 07 D	487/22	13	C 07 D	285/26			498/02	192,193	C 07 D	251/00
495	C 07 D	243/10			491/00			285/26	106	C 07 D	265/30	193,1,193.2	C 09 B	23/00
496	C 07 D	487/00			498/00	14	C 07 D	279/00			295/00			251/00
497	C 07 D	487/00			498/00			285/00	107	C 07 D	265/30	194,195	C 07 D	251/40
		491/00	556	C 07 D	243/00			295/00			295/02			251/54
		498/00			487/00			419/00	108-110	C 07 D	295/00	196	C 07 D	251/00
		513/00			491/00			513/00	111-132	C 07 D	413/00			251/54
498	C 07 D	487/00			513/00			279/36	133	C 07 D	415/00	197	C 07 D	251/00
499	C 07 D	487/04			515/00	31	C 07 D							

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 544—Con.														
		239/02				331	C 07 D	401/00			419/00			515/00
		9/02						403/00			241/02	42	C 07 D	221/18
		239/00	243,244	C 07 F	9/02			405/00	406-410	C 07 D	241/02			221/22
		239/70	245,246	C 07 D	239/70			409/00				43	C 07 D	221/22
198	C 07 D	471/00						411/00						471/00
199	C 07 D	487/00						413/00						491/00
		239/00						417/00						498/00
200	C 07 D	471/00	247	C 07 D	239/00			419/00						513/00
201	C 07 D	487/00				332	C 07 D	239/02	U.S. Class 546					515/00
202	C 07 D	491/00				333	C 07 D	401/00	PART OF THE CLASS 532-570 SERIES --					471/00
203	C 07 D	239/00						403/00	ORGANIC COMPOUNDS					489/00
204	C 07 D	239/70						405/00	1	C 07 D	213/00	44,45	C 07 D	471/00
		471/00						409/00	2	C 07 F				489/00
205	C 07 D	487/00						411/00	3	C 07 F	9/80			491/00
206	C 07 D	487/00	248,249	C 07 D	239/00			413/00	4-12	C 07 F				498/00
		471/00						417/00	13	C 07 F	5/02			513/00
		487/00						419/00	14	C 07 F	7/02			515/00
		491/00						421/00	15	C 07 D	211/00	46	C 07 D	471/00
207	C 07 D	491/00				334,335	C 07 D	239/02			213/00			489/00
208	C 07 D	239/00	252	C 07 D	239/00	336	C 07 D	241/00			215/00			489/08
		239/70						241/02			217/00			491/00
		471/00				337	C 07 F	9/02			219/00			498/00
209	C 07 D	487/00				338	C 07 D	241/36			221/00			513/00
210	C 07 D	239/00						271/00	16	C 07 D	215/00	47-49	C 07 D	471/00
		239/70						487/00			217/00			491/00
211	C 07 D	239/00	253	C 07 D	239/00			491/00			219/00			498/00
		471/00						495/00			221/00			513/00
		487/00	254,255	C 07 D	471/00			497/00	17,18	C 07 D	401/00			515/00
		491/00						498/00			451/00			459/00
212	C 07 D	487/00						513/00			453/00	50	C 07 D	471/00
213	C 07 D	487/00	256	C 07 D	487/00			513/00			455/00			491/00
		475/00	257-261	C 07 D	475/00	339-343	C 07 D	241/36			471/00			498/00
214-223	C 07 D	487/00	262,263	C 07 D	487/00	344	C 07 D	241/36	19	C 07 D	491/10			513/00
224	C 07 D	473/00	264-277	C 07 D	473/00			471/00			491/20			515/00
		491/00	278	C 07 D	491/00			487/00			495/10			471/00
225	C 07 F	495/00				345,346	C 07 D	471/00			495/20	51,52	C 07 D	491/00
		471/00						487/00			497/10			491/00
		487/00	279	C 07 D	487/00			491/00			497/20			498/00
		487/00						495/00	20	C 07 D	471/10			513/00
		491/00	280,281	C 07 D	487/00			497/00			471/20			515/00
		239/70	282	C 07 D	239/70			497/00			491/10			519/04
		239/72	283	C 07 D	239/72	347,348	C 07 D	241/46			491/20			471/00
		401/00	284	C 07 D	401/00	349	C 07 D	241/36			491/20	53-57	C 07 D	491/00
		403/00						471/00			9/06			498/00
		413/00						487/00	21	C 07 F	9/22			513/00
		417/00				350	C 07 D	471/00			9/28			515/00
		419/00						487/00			9/06			221/18
		239/72	285-293	C 07 D	239/72			491/00	22-25	C 07 F	9/28	58-60	C 07 D	471/00
		239/02	294	C 07 D	239/02			495/00			221/18			491/00
		403/00	295,296	C 07 D	403/00			497/00	26	C 07 D	221/22			491/00
		239/02	297-299	C 07 D	239/02	351,352	C 07 D	487/00			471/00	61	C 07 D	221/18
		401/00	300	C 07 D	401/00	353-356	C 07 D	241/36			491/00			221/22
		403/00				357	C 07 D	241/02			498/00	62-65	C 07 D	471/00
		405/00				358	C 07 D	241/04			513/00			491/00
		409/00						295/00			515/00			498/00
		411/00				359	C 07 D	403/00	28	C 07 D	221/18			513/00
		413/00				360-363	C 07 D	401/00			221/22			515/00
		417/00				364	C 07 D	401/00			471/00	67-69	C 07 D	457/00
		419/00						403/00	29	C 07 D	491/00			471/00
		239/02	301-309	C 07 D	239/02			405/00			498/00			491/00
226	C 07 F	401/00	310	C 07 D	401/00			409/00			513/00			498/00
		403/00				365	C 07 D	401/00			515/00			513/00
227	C 07 F	405/00				366	C 07 D	403/00	30	C 07 D	221/18			515/00
		409/00				367,368	C 07 D	413/00			221/22			519/02
228	C 07 F	411/00						417/00	31,32	C 07 D	471/00	70	C 07 D	471/00
229	C 07 F	413/00						419/00			491/00			487/00
		417/00				369	C 07 D	413/00			498/00			491/00
		419/00						417/00			513/00			498/00
230,231	C 07 D	237/00	311-323	C 07 D	239/02	370-373	C 07 D	403/00			515/00			513/00
		239/00	324	C 07 D	401/00	374	C 07 D	405/00	33	C 07 D	221/18			515/00
		241/00						409/00			221/22	71,72	C 07 D	221/18
232	C 07 F	9/02						411/00	34-37	C 07 D	221/22			221/22
233	C 07 D	237/26				375,376	C 07 D	405/00			471/00	73	C 07 D	221/18
		487/00						409/00			491/00	74	C 07 D	221/22
234	C 07 D	237/26				377-379	C 07 D	405/00			498/00			221/28
		237/36						409/00			513/00	75,76	C 07 D	221/18
		487/00						411/00			515/00	77,78	C 07 D	221/18
235	C 07 D	237/26	325,326	C 07 D	239/02	380-383	C 07 D	241/04	38	C 07 D	221/18			221/22
		237/28	327	C 07 D	239/02			295/00			221/22	79	C 07 D	221/06
		487/00				384,385	C 07 D	241/04			471/00			221/22
236	C 07 D	487/00	328	C 07 D	401/00	386-404	C 07 D	241/04	39	C 07 D	489/12	80	C 07 D	455/04
237	C 07 D	237/30						295/00			491/00			471/00
238	C 07 D	401/00				405	C 07 D	401/00			498/00			491/00
		403/00						403/00			498/00			498/00
		405/00						405/00			513/00			513/00
		409/00						409/00	40,41	C 07 D	471/00			515/00
239-241	C 07 D	237/00						411/00			491/00	81,82	C 07 D	471/00
		237/02						413/00			498/00			491/00
242	C 07 D	239/00	329,330	C 07 D	239/02			417/00			513/00			498/00

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U.S. Class 546—Con.					217/06			409/00			211/34	282	C 07 D	401/04
		217/12			411/00			411/00			211/60	283	C 07 D	401/00
		513/00	148	C 07 D	401/00			413/00	247	C 07 D	211/30			405/00
		515/00			417/00			417/00			211/32			409/00
83	C 07 D	491/00			409/00			419/00	248	C 07 D	211/20			411/00
		498/00			411/00			421/00			211/30			413/00
		513/00			413/00	193,194	C 07 D	211/68	249	C 07 D	211/02			417/00
		515/00			417/00			211/80	250	C 07 D	213/08			419/00
84-87	C 07 D	471/00			419/00			213/02			213/14			421/00
		491/00			421/00	195	C 07 D	211/06	251,252	C 07 D	213/06	284	C 07 D	409/00
		498/00	149	C 07 D	217/18			401/00	253	C 07 D	213/08			411/00
		513/00			217/20			405/00			213/12			413/00
		515/00	150	C 07 D	217/00			409/00	254	C 07 D	213/00			417/00
88	C 07 D	471/04	151	C 07 D	217/10			411/00	255	C 07 D	213/04	285	C 07 D	211/68
89,90	C 07 D	491/00	152	C 07 D	215/00			413/00	256	C 07 D	401/00			211/80
		498/00	153	C 07 D	215/16			417/00			405/00	286-289	C 07 D	211/78
		515/00			215/20			419/00			409/00			211/90
91	C 07 D	491/08			215/36			421/00			411/00			213/84
92	C 07 D	491/00			215/60	196	C 07 D	401/00			413/00	290,291	C 07 D	211/72
		498/00	154	C 07 D	215/16			405/00			417/00			211/84
		515/00			215/20			409/00			419/00			213/63
93	C 07 D	221/06			215/36			411/00			421/00			213/70
		221/16		C 09 B	25/00			413/00	257	C 07 D	213/22	292	C 07 D	211/72
		221/22	155-158	C 07 D	215/16			417/00	258,259	C 07 D	213/22			211/84
94	C 07 D	451/00			215/20			419/00			213/26			213/63
		453/00			215/36			421/00			213/22			213/70
		455/00	159	C 07 D	215/38	197-199	C 07 D	213/32	260	C 07 D	213/22			213/72
95	C 07 D	455/06	160,161	C 07 D	215/38	200	C 07 D	401/00	261	C 07 D	213/62	293	C 07 D	211/72
96	C 07 D	455/08			215/44			405/00	262	C 07 D	213/44			211/84
97	C 07 D	221/22	162,163	C 07 D	215/38			409/00	263	C 07 D	213/79			213/70
98-100	C 07 D	221/04			215/46			411/00	264	C 07 D	213/36			213/72
		471/06	164,165	C 07 D	215/00			413/00			213/53			213/75
		471/16	166	C 07 D	215/02			417/00			213/54			211/72
		221/06	167	C 07 D	401/00			419/00			213/78	294,295	C 07 D	211/84
101	C 07 D	219/00			405/00			421/00	265	C 07 D	213/40			213/62
102	C 07 D	219/04			409/00	201	C 07 D	401/00			213/56	296	C 07 D	211/72
103	C 07 D	219/08			411/00	202	C 07 D	409/00			213/75			211/84
104	C 07 D	219/10			413/00			411/00			213/81			213/69
105	C 07 D	219/12			417/00			417/00			213/83			213/70
106	C 07 D	219/08			419/00			419/00	266	C 07 D	213/28	297	C 07 D	211/72
107	C 07 D	221/12			421/00	203-206	C 07 D	211/06			213/44			211/84
108,109	C 07 D	221/06	168	C 07 D	215/12	207-210	C 07 D	401/00			213/44			213/72
110	C 07 D	221/16			215/14			405/00			213/62	298-302	C 07 D	211/72
111	C 07 D	221/02	169	C 07 D	215/38			409/00			213/70			211/84
112	C 07 D	471/02	170	C 07 D	215/20			411/00			213/78			213/62
113,114	C 07 D	491/02			215/36			413/00	267	C 07 D	213/46			213/78
		498/02	171	C 07 D	215/38			417/00			213/52	303	C 07 D	211/72
		513/02	172	C 07 D	215/36			419/00			213/54			211/84
		515/02	173	C 07 D	215/04			421/00			213/62			213/62
115,116	C 07 D	471/02			215/12	211	C 07 D	401/00			213/70	304	C 07 D	211/72
		491/02		C 09 B	25/00	212,213	C 07 D	409/00			213/78			211/84
		498/02	174	C 07 D	215/12	214	C 07 D	405/00	268,269	C 07 D	401/00			213/72
117-121	C 07 D	471/02			215/14	215	C 07 D	211/56			405/00	305	C 07 D	211/72
		491/02	175	C 07 D	215/38	216	C 07 D	211/40			409/00			211/84
		498/02	176	C 07 D	215/12			211/54			411/00			213/72
		513/02	177,178	C 07 D	215/16	217	C 07 D	211/44			413/00			213/75
		515/02	179	C 07 D	215/20			211/52			417/00	306	C 07 D	211/72
122,123	C 07 D	471/02			215/36			211/54			419/00			211/84
124	C 07 D	451/02	180	C 07 D	215/18	218	C 07 D	211/44			421/00			213/72
125,126	C 07 D	401/00	181	C 07 D	215/04	219,220	C 07 D	211/40	270,271	C 07 D	401/00			213/86
		405/00	182	C 07 D	215/10	221	C 07 D	211/22	272	C 07 D	413/00	307	C 07 D	213/88
		409/00	183	C 07 D	221/02	222	C 07 D	211/36			417/00			211/72
		411/00	184	C 07 D	211/00			211/40			419/00			211/84
		413/00			295/00			211/54			419/00			213/72
		417/00	185	C 07 D	211/02	223,224	C 07 D	211/56	273	C 07 D	401/00	308,309	C 07 D	211/72
		419/00	186	C 07 D	211/00			211/92	274	C 07 D	409/00			211/84
		421/00	187	C 07 D	401/00	225	C 07 D	211/30			411/00			213/72
127-132	C 07 D	451/02			405/00			211/32			413/00			213/75
		451/04			409/00	226	C 07 D	211/06			417/00			213/81
		451/06			411/00	227,228	C 07 D	211/60	275,276	C 07 D	401/00	310	C 07 D	213/83
133	C 07 D	453/02			413/00	229	C 07 D	211/26			413/00			211/72
134-136	C 07 D	453/02			417/00	230	C 07 D	211/60			417/00			211/84
		453/04			419/00	231	C 07 D	211/26			419/00			213/72
137	C 07 D	453/02			421/00			211/28	277	C 07 D	405/00			213/78
138	C 07 D	455/02	188	C 07 D	211/36	232	C 07 D	211/18			409/00	311	C 07 D	211/72
139	C 07 D	217/00			211/40	233-235	C 07 D	211/32			411/00			211/84
140	C 07 D	217/00			211/54	236,237	C 07 D	211/20			413/00			213/73
		217/02	189	C 07 D	211/30	238,239	C 07 D	211/34			417/00	312	C 07 D	211/72
141,142	C 07 D	217/22			211/32	240,241	C 07 D	211/22			419/00			211/84
143	C 07 D	217/00			211/60	242,243	C 07 D	211/36			421/00			213/72
		217/02	190	C 07 D	211/30			211/40	278,279	C 07 D	401/00	313	C 07 D	213/78
144	C 07 D	217/00			211/32			211/54	280	C 07 D	409/00			211/70
		217/02	191	C 07 D	211/08	244	C 07 D	211/56			411/00			211/82
145	C 07 D	217/00	192	C 07 D	211/08			211/98			413/00			213/52
		217/26			401/00	245	C 07 D	211/60			417/00	314,315	C 07 D	211/70
146,147	C 07 D	217/00			405/00	246	C 07 D	211/26	281	C 07 D	401/00			211/82

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 546—Con.					213/18			7/02			513/12			513/00
		213/20			213/20	111	C 07 F	9/28			513/22	210	C 07 D	275/06
316,317	C 07 D	211/72	348-353	C 07 D	211/70	112-119	C 07 F	9/06	155	C 07 D	513/04		C 07 D	417/00
		211/84			211/82			9/28	156	C 07 D	277/62	211	C 07 D	513/00
		213/56			213/06	120	C 07 D	293/10	157	C 07 D	277/62	212	C 07 D	275/06
318	C 07 D	211/78						421/00			277/68		C 07 D	275/04
		211/90				121	C 07 D	517/00	158	C 07 D	277/78		C 07 D	417/00
		213/80						293/10	159	C 07 D	417/00	213,214	C 07 D	513/00
319-321	C 07 D	213/80						421/00	160	C 07 D	277/62		C 07 D	275/02
		213/803				122	C 07 D	517/02	161	C 07 D	277/82		C 07 D	417/00
322	C 07 D	211/78	U.S. Class 548					291/00	162	C 07 D	417/00		C 07 D	513/00
		211/90	PART OF THE CLASS 532-570 SERIES --					419/00	163,164	C 07 D	277/82	215	C 07 D	263/02
		213/80	ORGANIC COMPOUNDS					515/00	165	C 07 D	277/62		C 07 D	413/00
323	C 07 D	211/78	100	C 07 D	293/00	123	C 07 D	285/00			277/68	216	C 07 D	263/52
		211/90			421/00			417/00	166	C 07 D	277/62		C 07 D	413/00
324,325	C 07 D	213/81	101	C 07 F	231/00	124	C 07 D	513/00			277/68		C 07 D	498/10
		211/78	102	C 07 D	233/00			273/00	167,168	C 07 D	277/76		C 07 D	498/20
		211/90			235/00	125	C 07 D	498/00	169-177	C 07 D	277/62	217	C 07 D	263/52
326,327	C 07 D	213/86			249/00			271/02			277/68		C 07 D	263/60
		213/88			261/00			271/04			277/80		C 07 D	413/00
		211/78			263/00			271/08	178-180	C 07 D	277/62		C 07 D	498/00
		211/90			271/00			285/02	181	C 07 D	417/00	218	C 07 D	498/00
328	C 07 D	213/79			273/00			285/04	182,183	C 07 D	277/04	219,220	C 07 D	263/62
		211/70			275/00			413/00			277/12	221,222	C 07 D	263/58
		211/82			277/00			417/00			277/14		C 07 D	263/60
		213/46			283/00			498/00			277/16		C 07 D	413/00
329	C 07 D	211/70			285/00	126	C 07 D	513/00			277/32		C 07 D	498/00
		211/82			291/00			271/12			277/34	223	C 07 D	263/52
		213/26			293/00			285/14			277/36		C 07 D	413/00
		213/36			413/00			413/00	184	C 07 D	277/04		C 07 D	498/00
		213/53			417/00			417/00			277/18	224	C 07 D	263/56
		213/54			419/00			498/00			277/38		C 07 D	413/00
330	C 07 D	211/70			421/00	127	C 07 D	513/00	185	C 07 D	277/04		C 07 D	498/00
		211/82			498/00			285/06			277/18	225	C 07 D	263/04
		213/57			513/00			285/14			277/46		C 07 D	263/18
331	C 07 D	211/70			515/00			417/00	186-188	C 07 D	277/04		C 07 D	263/36
		211/82			517/00			513/00			277/12		C 07 D	413/00
		213/53			9/80	128-130	C 07 D	285/08			277/34	226	C 07 D	263/04
		213/54	103	C 07 F				285/14			277/36		C 07 D	263/18
332	C 07 D	211/70	104-107	C 07 D	231/00			417/00	189	C 07 D	277/04		C 07 D	263/34
		211/82			233/00	131-133	C 07 D	513/00			277/12		C 07 D	263/44
		213/42			235/00			271/06			277/32		C 07 D	263/46
		213/53			249/00			271/12	190,191	C 07 D	277/04		C 07 D	413/00
		213/58			261/00			413/00			277/18	227	C 07 D	263/04
333	C 07 D	211/70			263/00	134,135	C 07 D	498/00			277/38		C 07 D	263/20
		211/82			271/00			285/10	192	C 07 D	277/04		C 07 D	263/44
		213/26			273/00			285/14			277/18		C 07 D	263/46
		213/36			275/00			417/00			277/44		C 07 D	413/00
		213/53			277/00			513/00	193	C 07 D	277/04	228	C 07 D	263/04
		213/54			283/00	136	C 07 D	285/12			277/18		C 07 D	263/16
334	C 07 D	211/70			285/00			285/14	194	C 07 D	277/38		C 07 D	263/18
		211/82			291/00			417/00			277/04		C 07 D	263/42
		213/24			293/00			513/00			277/18		C 07 D	413/00
335	C 07 D	211/70			413/00	137	C 07 D	417/04	195,196	C 07 D	277/56	229	C 07 D	263/04
		211/82			417/00			417/14			277/04		C 07 D	263/16
		213/55			419/00	138-142	C 07 D	285/12			277/18		C 07 D	263/20
336-338	C 07 D	211/70			421/00			285/14			277/44		C 07 D	263/38
		211/82			498/00			417/00	197	C 07 D	277/04		C 07 D	413/00
		213/56			513/00			513/00			277/18	230	C 07 D	263/04
339	C 07 D	211/70			515/00	143-145	C 07 D	271/10			277/58		C 07 D	263/16
		211/82			517/00			271/12	198	C 07 D	277/04		C 07 D	263/38
		213/28	108,109	C 07 F				413/00			277/18		C 07 D	263/48
		213/44	110	C 07 D	231/00			498/00			277/38		C 07 D	413/00
		213/54			233/00	146	C 07 D	277/04	199	C 07 D	277/04	231,232	C 07 D	263/04
340	C 07 D	211/70			235/00			277/08			277/18		C 07 D	263/16
		211/82			249/00	147	C 07 D	277/60	200	C 07 D	277/04		C 07 D	263/38
		213/46			261/00			417/00			277/18		C 07 D	413/00
341,342	C 07 D	211/70			263/00			513/10			277/38	233	C 07 D	263/04
		211/82			271/00			513/20			277/56		C 07 D	263/16
		213/55			273/00			513/22	201	C 07 D	277/04		C 07 D	263/34
343	C 07 D	211/70			275/00	148,149	C 07 D	277/60			277/18		C 07 D	263/48
		211/82			277/00			417/00			277/56		C 07 D	413/00
		213/28			283/00			513/04	202	C 07 D	277/20	234	C 07 D	263/04
		213/44			285/00			513/14			277/22		C 07 D	263/16
		213/54			291/00			513/22	203	C 07 D	277/30		C 07 D	263/34
344	C 07 D	211/70			293/00	150	C 07 D	277/60	204	C 07 D	277/28	235	C 07 D	263/30
		211/82			413/00			277/84	205	C 07 D	275/02		C 07 D	413/00
		213/28			417/00			417/00	206	C 07 D	275/02	236	C 07 D	263/34
		211/72			419/00			513/00			513/00		C 07 D	413/00
345	C 07 D	211/72			421/00	151	C 07 D	513/02	207,208	C 07 D	275/04	237	C 07 D	263/08
		211/84			498/00			513/12			275/06		C 07 D	413/00
		213/61			513/00			513/22			417/00	238	C 07 D	263/10
346	C 07 D	211/72			515/00	152	C 07 D	277/60			513/00		C 07 D	263/14
		211/84			517/00			277/62	209	C 07 D	275/04		C 07 D	413/00
347	C 07 D	211/92			5/02	153,154	C 07 D	513/02			417/00	239	C 07 D	263/12

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 548—Con.			343	C 07 D	233/66			495/00	506	C 07 D	209/14	954	C 07 D	203/04
		413/00	344	C 07 D	233/64			497/00			209/16	955-957	C 07 D	203/00
		413/00	345	C 07 D	233/54	431	C 07 D	491/00	507	C 07 D	209/10	958	C 07 D	203/26
240	C 07 D	261/02	346	C 07 D	233/56	432	C 07 D	491/052	508-511	C 07 D	209/04	959	C 07 D	273/00
		413/00			403/00	433	C 07 D	487/02		C 07 D	209/32			285/00
		413/00	347	C 07 D	233/04	434	C 07 D	209/56			209/46	960	C 07 D	229/02
241	C 07 D	261/20	348	C 07 D	403/00			209/72	513	C 07 D	209/38	961	C 07 D	203/26
		413/00	349,350	C 07 D	233/04	435	C 07 D	209/56			209/48	962	C 07 D	405/00
		498/00	351	C 07 D	233/28			209/76	514	C 07 D	209/48			409/00
242	C 07 D	261/20	352-355	C 07 D	233/04	436	C 07 D	209/90	515	C 07 D	209/44			411/00
		498/00	356-358	C 07 D	231/00	437	C 07 D	209/56			209/52	963	C 07 D	203/04
243	C 07 D	261/04	359	C 07 D	231/54	438	C 07 D	209/90	516	C 07 D	209/04			403/00
		261/10			487/00	439	C 07 D	209/82			209/52	964	C 07 D	405/00
		261/12			231/00			209/94	517	C 07 D	405/00			409/00
		413/00	360-363	C 07 D	403/00	440	C 07 D	209/82	518	C 07 D	207/00			411/00
244	C 07 D	261/04	364	C 07 D	231/00	441	C 07 D	209/82			295/00	965	C 07 D	203/04
		261/10	365	C 07 D	231/08			209/88	519	C 07 D	207/00	966	C 07 D	203/16
		261/14	366	C 07 D	231/00	442,443	C 07 D	209/88	520	C 07 D	207/40	967-969	C 07 D	203/04
		413/00	367	C 07 D	231/08	444	C 07 D	209/82	521,522	C 07 D	207/452			
245,246	C 07 D	261/04	368	C 07 D	231/54	445	C 07 D	209/86	523,524	C 07 D	207/00			
		261/14	369	C 07 D	487/00	446	C 07 D	209/84			295/00			
		413/00			487/00			209/86	525	C 07 D	405/00			
247	C 07 D	261/06	370	C 07 D	231/54	447	C 07 D	209/86			409/00			
		413/00	371	C 07 D	231/56	448	C 07 D	209/82			411/00			
248	C 07 D	261/18	372	C 07 D	231/10			209/88	526	C 07 D	405/00			
		413/00	373	C 07 D	487/00			209/94			409/00			
249	C 07 D	261/08	374	C 07 D	231/14	449	C 07 D	209/82	527	C 07 D	409/00	1	C 07 D	331/02
		413/00	375,376	C 07 D	231/10			209/94			411/00	2-4	C 07 D	327/00
250	C 07 D	257/04	377,378	C 07 D	231/06	450	C 07 D	209/56	528,529	C 07 D	207/00			331/00
		257/10	379	C 07 D	207/00		C 09 B	7/02			295/00			333/00
		403/00	400	C 07 D	295/00	451	C 07 D	9/04	530,531	C 07 D	1/00			335/00
		487/00				452	C 07 D	209/56			207/00			337/00
251-253	C 07 D	257/04	401	C 07 D	207/00	453	C 07 D	209/02			295/00			339/00
254	C 07 D	257/10	402-404	C 07 D	209/00	454	C 07 D	209/04	532,533	C 07 D	207/00			341/00
		403/00						209/52	534	C 07 D	207/00			343/00
		487/00	405	C 07 F	207/00	455	C 07 D	487/02			207/28			409/00
255	C 07 D	249/04		C 07 D	209/00	456	C 07 D	491/02	535-537	C 07 D	207/00			411/00
		403/00			295/00	457	C 07 D	495/02	538-540	C 07 D	207/00			495/00
		487/00		C 07 F	5/02	458	C 07 D	497/02			295/00	5	C 07 D	497/00
256	C 07 D	487/00	406	C 07 F	7/02	459	C 07 D	405/00	541	C 07 D	207/00			331/00
257-261	C 07 D	249/16	407	C 07 D	207/00	460	C 07 D	409/00	542	C 07 D	207/46			335/00
		403/00			209/54	461	C 07 D	411/00			207/48			337/00
262	C 07 D	249/08	408	C 07 D	209/96	462	C 07 D	209/02	543	C 07 D	295/22			339/00
		249/16	409	C 07 D	209/54	463	C 07 D	7/02			207/12			341/00
		403/00			209/96	464	C 07 D	7/04	544	C 07 D	207/24			343/00
263-265	C 07 D	487/00	410	C 07 D	487/00	465	C 07 D	209/02			207/36			409/00
		249/12	411	C 07 D	491/00	466	C 07 D	209/48			207/12			411/00
		249/16			495/00	467	C 07 D	405/00	545-547	C 07 D	207/23			495/00
		403/00			491/00	468	C 09 B	7/08	548,549	C 07 D	207/36			497/00
266-268	C 07 D	487/00	412-415	C 07 D	495/00	469	C 07 D	9/04	550,551	C 07 D	207/40	6	C 07 D	333/00
		249/14			209/54	470	C 07 D	209/02			207/444			409/00
		249/16			209/96	471	C 07 D	405/00			207/12	7	C 07 D	495/00
		403/00			487/00	472	C 07 D	411/00			207/24			327/04
269	C 07 D	249/08	416	C 07 F	9/02	473	C 07 D	409/00	552-555	C 07 D	207/36			327/10
		249/16	417	C 07 F	9/547	474	C 07 D	405/00	556	C 07 D	207/267			339/02
		403/00		C 09 B	5/00	475	C 07 D	209/02			207/12			341/00
		487/00		C 07 D	487/00	476	C 07 D	405/00			207/24			343/00
300,301	C 07 D	233/00		C 09 B	3/00	477	C 07 D	409/00	557	C 07 D	207/36			409/00
302	C 07 D	235/00			5/00	478	C 07 D	411/02			207/10			411/00
303,304	C 07 D	473/00	418	C 07 D	209/56	479	C 07 D	209/04			207/22			495/00
305	C 07 D	487/00			487/00	480	C 07 D	209/44			207/34	8	C 07 D	497/00
306	C 07 D	235/04			491/00	481	C 07 D	209/46	558,559	C 07 D	295/22			333/00
307,308	C 07 D	235/30			495/00	482	C 07 D	209/48			207/10			409/00
309,310	C 07 D	233/30		C 09 B	5/00	483	C 07 D	209/44			207/22			495/00
311-316	C 07 D	233/00	419	C 07 D	209/56			209/02			207/34	9	C 07 D	337/00
317	C 07 D	233/30			487/00			209/30	560-563	C 07 D	207/30			409/00
318	C 07 D	233/00			491/00	484,485	C 07 D	209/40	564	C 07 D	207/323			495/00
319-322	C 07 D	233/30			495/00	486,487	C 07 D	209/36	565	C 07 D	207/18	10	C 07 D	327/00
323	C 07 D	235/30	420	C 07 D	209/80	488	C 09 B	209/34	566	C 07 D	207/08			343/00
		473/30		C 09 B	7/00			7/00			207/10			411/00
324	C 07 D	235/30	421	C 07 D	487/00	489	C 07 D	9/04	567,568	C 07 D	207/46			497/00
325	C 07 D	235/04			491/00	490,491	C 07 D	209/32			207/08	11	C 07 D	339/00
326	C 07 D	235/02			495/00	492	C 07 D	209/04	569	C 07 D	207/46			341/00
		487/00			497/00	493	C 07 D	209/42			207/04			409/00
327	C 07 D	487/00	422	C 07 D	487/14	494	C 07 D	209/12	570-572	C 07 D	295/04			495/00
328-333	C 07 D	235/04	423	C 07 D	487/00	495	C 07 D	209/18			207/04	12	C 07 D	337/12
334	C 07 D	235/04			491/00	496	C 07 D	209/18			295/00			409/00
		487/00			495/00	497	C 07 D	209/20	573-578	C 07 D	207/04			495/00
335	C 07 D	233/54			497/00	500,501	C 07 D	209/26			295/04	13	C 07 D	335/00
336	C 07 D	403/00	424,425	C 07 D	209/56	502	C 07 D	209/12			207/46			409/00
337	C 07 D	233/66	426	C 07 D	209/56			209/18	579	C 07 D	207/06	14	C 07 D	327/06
338,339	C 07 D	233/91		C 07 J	73/00	503	C 07 D	209/04			295/02			343/00
340	C 07 D	233/91	427	C 07 D	209/56			209/14	950	C 07 D	205/00			411/00
		403/00	428,429	C 07 D	487/00	504	C 07 D	209/16	951	C 07 D	229/00	15	C 07 D	327/06
341,342	C 07 D	233/54	430	C 07 D	491/00	505	C 07 D	209/14	952,953	C 07 D	205/00			327/10

U.S. Class 549

PART OF THE CLASS 532-570 SERIES --
ORGANIC COMPOUNDS

1	C 07 D	331/02
2-4	C 07 D	327/00
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5	C 07 D	327/00
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		335/00
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6	C 07 D	333/00
		409/00
		495/00
7	C 07 D	327/04
		327/10
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		343/00
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		411/00
		495/00
		497/00
8	C 07 D	333/00
		409/00
		495/00
9	C 07 D	337/00
		409/00
		495/00
10	C 07 D	327/00
		343/00
		411/00
		497/

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 549—Con.														
		339/08	57	C 07 D	409/02			317/00	239	C 07 D	493/00	302	C 07 D	307/00
		341/00			333/56			319/00	240-246	C 07 D	307/77			307/93
		343/00			333/66			323/00			307/94			407/00
		409/00	58	C 07 D	333/72			325/00			407/00	303-305	C 07 D	307/00
		411/00			333/56			329/00			493/02			307/78
		495/00	59,60	C 07 D	333/72			407/00	247-251	C 07 D	307/89			307/87
		497/00	61	C 07 D	409/02			493/00	252	C 07 D	307/34			307/93
16	C 07 D	327/06	62	C 07 D	409/00	208	C 07 F	9/80			407/00			407/00
		327/08			333/38		C 07 D	303/02	253,254	C 07 D	307/34	306	C 07 D	493/00
		327/10			333/32			321/00			307/56	307-310	C 07 D	305/12
		343/00	63	C 07 D	333/34			407/00	255	C 07 D	307/36			307/78
		411/00			333/36			493/00	256-261	C 07 D	307/34			307/87
		497/00	64-66	C 07 D	333/42		C 07 F	305/00	262	C 07 D	307/36			407/00
17	C 07 D	339/08	67	C 07 D	333/32	209	C 07 F	305/00	263	C 07 D	307/36	311,312	C 07 D	305/12
		341/00	68	C 07 D	333/34	210	C 07 D	307/00			407/00			307/93
		409/00			333/48			309/00	264	C 07 D	305/00	313	C 07 D	407/00
		495/00			333/36			313/00			307/00			305/12
18	C 07 D	327/10	69	C 07 D	333/42			315/00			309/00			307/32
		411/00	70	C 07 D	333/36			317/00			311/00			307/34
19	C 07 D	341/00	71	C 07 D	333/22			319/00			313/00	314-317	C 07 D	305/12
		409/00	72	C 07 D	333/22			323/00			315/00			307/62
20-22	C 07 D	339/00	73	C 07 D	333/22			325/00			317/00	318,319	C 07 D	305/12
		409/00	74,75	C 07 D	333/28			329/00			319/00			307/26
23	C 07 D	335/04			333/12			407/00			321/00			307/34
		335/06	76,77	C 07 D	333/20			493/00			323/00			307/56
		409/00	78	C 07 D	333/22		C 07 F	407/00			493/00	320	C 07 D	305/12
		495/00			333/16	211	C 07 D	305/00			305/14	321-326	C 07 D	305/12
24,25	C 07 D	335/04	79	C 07 D	333/18	212	C 07 D	311/00	265	C 07 D	305/14			307/26
		409/00	80	C 07 D	333/24			493/00			307/94			307/34
		495/00	81,82	C 07 D	333/08	213	C 07 D	305/00			311/96			307/56
26,27	C 07 D	335/08	83-85	C 07 D	333/28			309/00			313/06	327-329	C 07 D	305/12
		335/10			333/08			311/00			313/20	330	C 07 D	493/00
		495/00	86	C 07 D	333/10			313/00			317/72	331	C 07 D	311/96
28	C 07 D	335/02	87	C 07 D	333/08			319/00			319/00			313/06
		409/00	88	C 07 D	333/48			321/00			323/00			313/20
29	C 07 D	333/02			331/04			323/00			407/00			315/00
30	C 07 D	327/04			409/00			325/00			493/00	332	C 07 D	303/00
		343/00	89	C 07 D	495/00			407/00	266	C 07 D	313/00			305/14
31-33	C 07 D	327/04			327/02			493/00	267	C 07 D	321/00	333	C 07 D	319/00
		327/10			327/10		C 07 F	5/02			323/00			321/00
		339/02			339/00	214	C 07 D	305/00	268	C 07 D	313/06			323/00
		341/00			341/00			309/00			313/20	334	C 07 D	317/00
		343/00			343/00			311/00			493/00			319/00
		409/00			409/00			313/00			313/06			321/00
		409/00			411/00			319/00	269,270	C 07 D	313/08			323/00
		411/00			495/00			321/00			313/20			493/00
		495/00			497/00			323/00			493/00	335	C 07 D	319/00
34	C 07 D	327/10	90	C 07 D	327/02			323/04	271,272	C 07 D	313/04	336	C 07 D	317/72
		343/00			331/02			325/00			313/16			319/00
		411/00			409/00			407/00	273	C 07 D	309/00			321/00
35-39	C 07 D	339/02			411/00			493/00			407/00			323/00
		341/00			495/00			7/02	274	C 07 D	319/00			493/00
		409/00	200	C 07 D	497/00	215	C 07 D	303/02			323/04	337	C 07 D	317/72
40	C 07 D	327/04	201	C 07 D	321/00		C 07 F	7/02			407/00			325/00
		343/00			305/00	216,217	C 07 F	9/28	275	C 07 D	311/00			493/00
		411/00			309/00	218-222	C 07 F	9/06			407/00	338	C 07 D	317/72
41,42	C 07 D	333/50			311/00			9/28			493/00			493/00
		409/00			313/00	223	C 07 D	311/82	276-279	C 07 D	311/78	339,340	C 07 D	317/72
		495/22			319/00	224	C 07 D	311/78			307/02			319/00
43-48	C 07 D	333/74			321/00	225-227	C 07 D	311/88			493/00			321/00
		333/76			323/00	228	C 07 D	321/00	280,281	C 07 D	311/78			323/00
		333/78			323/04			323/00			407/00			325/00
		409/00			325/00			407/00	282	C 07 D	493/00			493/00
		495/00			407/00			493/00	283-288	C 07 D	311/02	341,342	C 07 D	317/72
49	C 07 D	333/52	202	C 07 D	493/00	229,230	C 07 D	317/08	289,290	C 07 D	311/04	343	C 07 D	311/00
		333/72			301/36			407/00			311/74			313/00
		333/78	203	C 07 D	303/02	231	C 07 D	493/00			311/76			493/00
		409/02			307/34			305/00	291-293	C 07 D	309/30	344	C 07 D	307/77
50	C 07 D	495/02			309/32			309/32	294	C 07 D	309/38			311/02
51	C 07 D	333/52			313/00			313/00	295	C 07 D	307/02			313/00
		333/72			493/00			319/10			407/00			493/00
		409/02	204	C 07 D	307/26			321/00	296	C 07 D	317/00	345	C 07 D	307/94
52	C 07 D	333/62			309/16			323/00			323/00			311/96
		333/64			313/00			325/00			407/00			313/06
		333/72	205	C 07 D	493/00			407/00			493/00			313/16
		409/02			307/00			493/00	297,298	C 07 D	307/77	346	C 07 D	313/00
53,54	C 07 D	333/64			317/00	232	C 07 D	311/00			407/00			407/00
		333/72			323/02			407/00	299	C 07 D	307/77			493/00
		409/02			493/00			493/00			307/91	347	C 07 D	321/00
55	C 07 D	333/66	206	C 07 F	307/60	233	C 07 D	307/60			307/92			323/00
		333/72	207	C 07 D	307/77	234,235	C 07 D	307/77			407/00	348-350	C 07 D	321/00
		409/02			307/91	236	C 07 D	307/91	300	C 07 D	307/00			321/10
56	C 07 D	333/64			313/00			307/92			307/94			321/12
		333/72			315/00	237,238	C 07 D	307/93	301	C 07 D	307/93	351	C 07 D	323/00

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 549—Con.			539,540	C 07 D	301/00	137	C 07 F	15/00	486	C 07 F	7/04	480-488	C 07 C	203/00
		493/00	541,542	C 07 D	301/32	138-142	C 07 F	15/02			7/06			331/00
352,353	C 07 D	323/00	543,544	C 07 D	303/06			15/04	487	C 07 F	7/08			381/00
354,355	C 07 D	313/00			303/10	143-145	C 07 F	15/06	488	C 07 F	7/12			
356-358	C 07 D	309/00			303/17	146-150	C 07 F	15/02	489	C 07 F	7/08			
359,360	C 07 D	319/02	545-547	C 07 D	303/00			15/04						
		319/08	548,549	C 07 D	303/38	170-172	C 07 F	5/06	U.S. Class 558			U.S. Class 560		
		319/22	550	C 07 D	303/02	173	C 07 F	7/02	PART OF THE CLASS 532-570 SERIES --			PART OF THE CLASS 532-570 SERIES --		
		319/24	551-553	C 07 D	303/08	174	C 07 F	9/02	ORGANIC COMPOUNDS			ORGANIC COMPOUNDS		
361	C 07 D	493/00			303/36	175-190	C 07 F	5/06	PART OF THE CLASS 532-570 SERIES --			1	C 07 C	69/74
362,363	C 07 D	319/14	554-556	C 07 D	303/12	400-403	C 07 F	7/02	ORGANIC COMPOUNDS			2-4	C 07 C	69/00
364	C 07 D	323/04			303/34	404,405	C 07 F	9/02	1-3	C 07 C	331/00	5-7	C 07 C	69/74
		493/00	557	C 07 D	303/32	406	C 07 F	7/08			381/00	8	C 07 C	69/76
365	C 07 D	319/02	558,559	C 07 D	303/08	407	C 07 F	7/02	4,5	C 07 C	335/00	9,10	C 07 C	321/00
		319/08			303/48			7/10	6	C 07 C	249/00			323/00
366	C 07 D	319/14			303/12			7/21			251/00			381/00
367	C 07 D	323/04	560,561	C 07 D	303/12	408	C 07 F	7/02			257/00	11	C 07 C	315/00
368	C 07 D	323/06	562	C 07 D	303/12	409	C 07 F	7/02			263/00			317/00
369	C 07 D	319/06			303/34			7/10			265/00	12,13	C 07 C	303/00
370	C 07 D	407/00	563	C 07 D	303/08			7/21			267/00			307/00
371-376	C 07 D	319/06			303/48	410-412	C 07 F	7/02			291/00			309/00
377-380	C 07 D	319/12						7/10	7	C 07 C	249/00			311/00
381-386	C 07 D	311/78				413-423	C 07 F	7/04			251/00			315/00
		311/94	U.S. Class 556			424	C 07 F	7/10			259/00			317/00
387	C 07 D	493/00	PART OF THE CLASS 532-570 SERIES --			425	C 07 F	7/08	8	C 07 C	273/00	14	C 07 C	303/00
388	C 07 D	311/82	ORGANIC COMPOUNDS					7/10			275/00			307/00
389	C 07 D	311/92	1,2	C 07 F	7/24	426-432	C 07 F	7/04	9	C 07 C	249/00			311/00
390,391	C 07 D	311/80	3-5	C 07 F	7/26			7/08			251/00	15-18	C 07 C	321/00
392-395	C 07 D	311/82	6-15	C 07 F		433,434	C 07 F	7/08			257/00			323/00
396,397	C 07 D	311/00	16	C 07 F	15/00			7/21			263/00	19	C 07 C	381/00
398-413	C 07 D	311/04	17-41	C 07 F	17/02	435-438	C 07 F	7/04	10-19	C 07 C	331/00	20-23	C 07 C	229/00
		311/74	42	C 07 F	9/00			7/08			381/00	24-33	C 07 C	269/00
414	C 07 D	407/00	43	C 07 F	17/00	439	C 07 F	7/04			305/00			271/00
415-428	C 07 D	315/00	44	C 07 F	9/00			7/08	20	C 07 C	305/00	34-50	C 07 C	229/00
429-431	C 07 D	307/00	45	C 07 F	13/00	440-442	C 07 F	7/04	21	C 07 C	303/00	51-54	C 07 C	69/76
		323/02	46	C 07 F	17/00	443	C 07 F	7/04	22	C 07 C	305/00			69/95
432,433	C 07 D	317/70	47-50	C 07 F	13/00	444	C 07 F	7/04			409/00	55-63	C 07 C	69/76
434,435	C 07 D	307/00	51,52	C 07 F	7/00			7/08	23	C 07 C	305/00	64-66	C 07 C	69/76
		323/02	53	C 07 F	17/00	445-449	C 07 F	7/04	24-38	C 07 C	303/00			69/84
436-447	C 07 D	317/44	54-56	C 07 F	7/00			7/08	39-43	C 07 C	307/00	67-72	C 07 C	69/88
448-455	C 07 D	307/77	57-63	C 07 F	11/00	450,451	C 07 F	7/04	44	C 07 C	303/00	73-76	C 07 C	69/76
456,457	C 07 D	307/93	64	C 07 F	9/70			7/18			309/00	77	C 07 C	67/00
		307/93			9/90	452	C 07 F	7/08			311/00	78,79	C 07 C	67/48
458	C 07 D	307/92			9/94			7/21	45	C 07 F	9/02	80-91	C 07 C	69/76
		307/93			9/94	453-455	C 07 F	7/04	46-58	C 07 C	303/00	92	C 07 C	67/02
459	C 07 D	307/00			9/94			7/08			307/00			67/03
		307/93			9/94	455-458	C 07 F	7/04			309/00	93	C 07 C	67/26
460,461	C 07 D	307/91			9/94			7/08			311/00	94	C 07 C	67/08
462	C 07 D	307/87			9/94	460,461	C 07 F	7/04	59,60	C 07 C	301/00			67/22
		307/93			9/94			7/08	61,62	C 07 C	313/00	95	C 07 C	69/76
463	C 07 D	307/00			9/94	462-465	C 07 F	7/04			9/02	96	C 07 C	67/00
464	C 07 D	493/00			9/94			7/21	70-218	C 07 F	327/00	97	C 07 C	67/36
465	C 07 D	307/93			9/94	466	C 07 F	7/04	230	C 07 C	327/00	98	C 07 C	67/08
466-471	C 07 D	307/78			9/94			7/08	231	C 07 F	9/02	98,99	C 07 C	67/14
		307/87			9/94	467-471	C 07 F	7/04	232-242	C 07 C	333/00			
		307/93			9/94			7/21	243-248	C 07 C	329/00	100-112	C 07 C	69/76
472,473	C 07 D	307/02			9/94	472,473	C 07 F	7/04	249-257	C 07 C	327/00	113	C 07 C	69/76
		315/00			9/94			7/08	260-283	C 07 C	69/96			69/83
		407/00			9/94	474-488	C 07 D	7/04	285-298	C 07 F	5/04	114	C 07 C	67/36
474-488	C 07 D	307/02			9/94			7/08	299	C 07 C	291/00	115	C 07 C	261/00
489,490	C 07 D	307/48			9/94	482-485	C 07 F	7/04	300,301	C 07 C	255/00			269/00
		307/50			9/94			7/08	302	C 07 C	249/00			271/00
491-509	C 07 D	307/02			9/94			7/08			251/00	116-124	C 07 C	69/74
510,511	C 07 D	305/00			9/94			7/18			257/00	125	C 07 C	205/00
		407/00			9/94			7/21			263/00			229/00
		493/00			9/94			7/04			265/00	126-128	C 07 C	69/74
512,513	C 07 D	303/00			9/94	460,461	C 07 F	7/04			267/00	129,130	C 07 C	69/00
514-517	C 07 D	301/27			9/94			7/08			291/00	131	C 07 C	67/00
518,519	C 07 D	301/02			9/94	462-465	C 07 F	7/04	303-307	C 07 C	255/00	132-137	C 07 C	261/00
520-522	C 07 D	301/24			9/94			7/08	308-352	C 07 C	253/00			269/00
523	C 07 D	301/03			9/94	466	C 07 F	7/04	353-383	C 07 C	255/00			271/00
524	C 07 D	301/03			9/94			7/08	384	C 07 C	255/00	138-144	C 07 C	69/00
		301/06			9/94			7/20			5/02	145	C 07 C	69/62
525	C 07 D	301/14			9/94			7/04	385,386	C 07 F	9/02			69/66
526	C 07 D	301/16			9/94	467-471	C 07 F	7/04			409/00			205/00
527	C 07 D	301/18			9/94			7/08	387	C 07 C	255/00			229/00
528	C 07 D	301/14			9/94	472,473	C 07 F	7/04	388-445	C 07 C	249/00			303/00
529,530	C 07 D	301/19			9/94			7/08	446	C 07 C	251/00			307/00
531	C 07 D	301/12			9/94			7/16			255/00			309/00
532,533	C 07 D	301/06			9/94	474-481	C 07 F	7/04			259/00			311/00
534	C 07 D	301/10			9/94			7/08			291/00			321/00
535-538	C 07 D	301/03			9/94			7/04	447-467	C 07 C	255/00			323/00

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 560—Con.			307-310	C 07 C	331/00			243/00			63/333	560	C 07 C	241/00
		381/00	311	C 07 C	331/00			249/00	493	C 07 C	63/04			243/00
146	C 07 C	69/34			381/00			251/00	494	C 07 C	51/42			249/00
147	C 07 C	321/00			381/00			257/00	495	C 07 C	63/64			251/00
		323/00	312-315	C 07 C	239/00			273/00	496	C 07 C	53/134			259/00
		381/00			259/00			275/00			57/30			273/00
148	C 07 C	261/00			331/00			277/00	497	C 07 C	51/10			275/00
		269/00			381/00	440	C 07 C	279/00			51/12			277/00
		271/00	316	C 07 C	291/00			249/00	498-502	C 07 C	51/14			279/00
149	C 07 C	303/00	317	C 07 C	331/00			251/00			61/12	561-576	C 07 C	291/00
		307/00			381/00			257/00			61/28			229/00
		309/00	318	C 07 C	409/00			259/00	503	C 07 C	61/06	577,578	C 07 C	59/147
		311/00	330-334	C 07 C	249/00	441-458	C 07 C	291/00			61/16			59/185
150	C 07 C	315/00			251/00	459	C 07 C	229/00	504	C 07 C	405/00			59/325
		317/00			257/00			59/74			61/06			59/347
151-154	C 07 C	321/00			263/00			59/86			61/20			59/74
		323/00			265/00			62/36			62/08			59/76
		381/00			267/00			62/38	505,506	C 07 C	62/34	579	C 07 C	59/00
155	C 07 C	229/00			291/00			65/30			61/04	580	C 07 C	51/42
156	C 07 C	205/00	335	C 07 C	273/00			65/32			61/16	581	C 07 C	315/00
157-167	C 07 C	261/00			275/00	460	C 07 C	59/76			62/00			317/00
		269/00	336,337	C 07 C	249/00			62/38	507	C 07 C	61/08			321/00
		271/00			251/00			65/32			61/10			323/00
168-173	C 07 C	229/00			257/00	461,462	C 07 C	59/76			229/00			381/00
174	C 07 C	69/66			263/00			59/84			315/00	582	C 07 C	59/245
175	C 07 C	67/36			265/00			59/86			317/00	583	C 07 C	59/125
176,177	C 07 C	69/66			267/00			62/36			321/00			59/305
178	C 07 C	69/72			291/00			62/38			323/00			59/58
179,180	C 07 C	69/66	338-348	C 07 C	263/00			65/30			381/00	584	C 07 C	59/265
181	C 07 C	69/73	349-360	C 07 C	249/00			65/34	508	C 07 C	62/00	585	C 07 C	59/255
182	C 07 C	69/66			251/00	463,464	C 07 C	59/90	509	C 07 C	61/09	586	C 07 C	59/00
183	C 07 C	69/73			257/00			62/32			61/10	587	C 07 C	59/10
184-189	C 07 C	69/66			263/00			65/40			61/24			59/285
190	C 07 C	69/34			265/00	465	C 07 C	59/00			61/26	588	C 07 C	59/125
		69/52			267/00			62/00			62/00			59/305
191	C 07 C	67/48			291/00			65/00	510	C 07 C	61/16	589	C 07 C	59/58
192-199	C 07 C	69/34				466	C 07 C	62/06			61/22	590	C 07 C	59/08
		69/52						62/12			61/26	591	C 07 C	55/00
200	C 07 C	67/26						62/30			62/30	592	C 07 C	51/00
201	C 07 C	69/34	U.S. Class 562					65/105	511	C 07 C	61/00	593	C 07 C	51/36
202	C 07 C	67/00	PART OF THE CLASS 532-570 SERIES --					65/24	512	C 07 C	53/00	594	C 07 C	51/42
203	C 07 C	67/30	ORGANIC COMPOUNDS					65/30	512.2	C 07 C	27/10			55/00
204	C 07 C	67/00				467	C 07 C	63/34			53/00			315/00
		67/36	400	C 07 C	61/00	468,469	C 07 C	59/40	512.4	C 07 C	55/00			317/00
205	C 07 C	69/52			61/08			62/30	513	C 07 C	51/00			321/00
206,207	C 07 C	67/36	401	C 07 B	55/00			63/33			51/42			323/00
208	C 07 C	67/00			57/00	470	C 07 C	59/48	514	C 07 C	227/00			381/00
209	C 07 C	67/26	402	C 07 B	57/00			59/64	515	C 07 C	51/00			391/00
210	C 07 C	67/00	403,404	C 07 C	61/29			59/84	516	C 07 C	227/00	595	C 07 C	395/00
211-214	C 07 C	67/30	405	C 07 C	63/00	471	C 07 C	65/21	517	C 07 C	51/10			57/02
215	C 07 C	67/20			63/33			59/48			51/14	596	C 07 C	57/18
		67/22			63/337			59/64	518	C 07 C	51/10	597	C 07 C	55/02
216	C 07 C	67/00			63/44			59/84	519	C 07 C	51/12	598	C 07 C	55/06
217	C 07 C	67/02			63/64	472	C 07 C	59/56	520-522	C 07 C	51/14			57/18
		67/03			63/66			59/88	523-526	C 07 C	51/16	599	C 07 B	57/02
218	C 07 C	67/48			65/00			65/00	527	C 07 C	51/16			35/00
219	C 07 C	69/62	406	C 07 C	51/10	473,474	C 07 C	65/00	528-530	C 07 C	51/245	600	C 07 C	51/00
220-225	C 07 C	69/52			51/12	475,476	C 07 C	65/01	531-536	C 07 C	51/245	601	C 07 C	51/42
226-230	C 07 C	69/63			51/14			65/03			51/16	602	C 07 C	53/15
231	C 07 C	69/02	407	C 07 C	51/16	477	C 07 C	65/10	537	C 07 C	51/235			53/16
232	C 07 C	67/36	408-417	C 07 C	51/16	478	C 07 C	65/01	538	C 07 C	51/16	603	C 07 B	39/00
233	C 07 C	67/38			51/255	479	C 07 B	37/06			51/235			51/00
234,235	C 07 C	67/02	418-421	C 07 C	51/16			51/38			51/245	604	C 07 C	51/00
236,237	C 07 C	67/10			51/23	480	C 07 C	63/14	539	C 07 C	51/295	605	C 07 C	53/21
238,239	C 07 C	67/00	422	C 07 C	51/16			63/307	540	C 07 C	51/27	606	C 07 B	53/00
240	C 07 C	67/24	423-425	C 07 C	51/15			63/313	541,542	C 07 C	51/16	607	C 07 C	53/08
241	C 07 C	67/00	426	C 07 C	321/00	481	C 07 C	51/347	543	C 07 C	51/31	608	C 07 C	53/10
241.1	C 07 C	27/10			323/00	482	C 07 B	35/08	544-549	C 07 C	51/16	609	C 07 C	51/42
		67/00			325/00			63/14	550-552	C 07 C	51/15			53/02
242	C 07 C	67/04			335/00			63/307	553	C 07 C	205/00			53/04
243-245	C 07 C	67/05			381/00			63/313			207/00			53/06
246,247	C 07 C	67/04	427,428	C 07 C	315/00	483	C 07 C	51/00			229/00			
248	C 07 C	67/48			317/00			51/06	554	C 07 C	227/00			
249-266	C 07 C	67/02			321/00			51/09	555	C 07 C	261/00			
300	C 07 C	71/00			323/00	484	C 07 C	51/08			269/00			
		409/00			381/00	485-487	C 07 C	51/42			271/00			
301	C 07 C	261/00	429,430	C 07 C	315/00	488	C 07 C	63/33	556	C 07 C	315/00			
302	C 07 C	331/00			317/00			63/337			317/00			
		381/00	431,432	C 07 C	321/00			63/46			321/00	1	C 07 C	211/00
		409/00			323/00			63/48			323/00	2	C 07 C	209/00
303	C 07 C	331/00			381/00	489	C 07 C	55/28			381/00	3	C 07 C	209/00
		381/00	433	C 07 C	229/00			57/34			391/00			273/00
304	C 07 C	409/00	434-438	C 07 C	205/00	490	C 07 C	63/36	557-559	C 07 C	321/00	4-7	C 07 C	209/00
305	C 07 F	5/04			207/00	491	C 07 C	63/33			323/00	8,9	C 07 F	5/02
306	C 07 C	71/00	439	C 07 C	241/00	492	C 07 C	63/33			381/00	10,11	C 07 F	5/02

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 564—Con.			116-122	C 07 C	291/00			257/00	315,316	C 07 C	211/00			217/00			
		5/05	123	C 07 C	233/00			263/00		C 09 B	11/02			215/00			
12	C 07 F	9/02			235/00			265/00	317	C 07 C	213/00			211/00			
13	C 07 F	9/547			237/00			267/00			215/00			209/00			
14	C 07 F	9/22	124-145	C 07 C	231/00	270-279	C 07 C	249/00			217/00			213/00			
		9/36	146	C 07 C	11/00			251/00			321/00			209/00			
		9/44			231/00			257/00			323/00			213/00			
15	C 07 F	9/02	147-151	C 07 C	241/00			263/00		C 09 B	11/02	419	C 07 B	43/02			
		9/28			243/00			265/00	318	C 07 C	213/00		C 07 C	201/00			
16	C 07 F	9/28			249/00			267/00			215/00			209/00			
17	C 07 C	335/00			251/00			291/00			217/00			209/00			
18-21	C 07 C	337/00	152,153	C 07 C	233/00	280	C 07 C	209/00			321/00			211/00			
22	C 07 C	335/00			235/00			211/00			323/00			213/00			
23	C 07 C	303/00			237/00			213/00			381/00			215/00			
		307/00			239/00			215/00	319	C 07 C	221/00			321/00			
		309/00	154	C 07 C	233/00			217/00			223/00			323/00			
		311/00			235/00			221/00			225/00			381/00			
		335/00			237/00			223/00		C 09 B	11/02			211/00			
24-31	C 07 C	335/00			239/00			225/00	320	C 07 C	213/00			209/00			
32,33	C 07 C	273/00			321/00			239/00			215/00			321/00			
		275/00			323/00			259/00			217/00			440	C 07 C	321/00	
34-37	C 07 C	281/00			381/00			321/00		C 09 B	11/02			323/00			
38	C 07 C	273/00	155	C 07 C	233/00			323/00	321-323	C 07 C	211/00			381/00			
		275/00			235/00			381/00		C 09 B	11/02			211/00			
39	C 07 C	303/00			237/00	281	C 07 C	211/00	324	C 07 C	213/00			209/00			
		307/00			239/00			213/00			215/00			211/00			
		309/00	156	C 07 C	233/00			215/00			217/00			209/00			
		311/00			235/00			217/00			321/00			211/00			
		313/00			237/00			221/00			323/00			241/00			
40	C 07 C	303/00	157-161	C 07 C	233/00			223/00			381/00			243/00			
		313/00			235/00			225/00	325	C 07 C	213/00			249/00			
41-43	C 07 C	303/00			237/00	282	C 07 C	211/00			215/00			251/00			
		307/00			239/00	283	C 07 C	211/00			217/00			209/00			
		309/00	162	C 07 C	321/00			213/00			321/00			213/00			
		311/00			323/00			215/00			323/00			209/00			
		313/00			381/00			217/00			381/00			213/00			
44-63	C 07 C	273/00	163-191	C 07 C	233/00			221/00		C 09 B	11/02			213/00			
		275/00			235/00			223/00	326	C 07 C	211/00			209/00			
64-73	C 07 C	273/00			237/00			225/00		C 09 B	11/02			321/00			
74	C 07 C	327/00			239/00	284-286	C 07 C	211/00	327	C 07 C	215/00			323/00			
75,76	C 07 C	333/00	192	C 07 C	233/00	287	C 07 C	213/00		C 09 B	11/02			381/00			
77,78	C 07 C	327/00			235/00			215/00	328,329	C 07 C	221/00			221/00			
79	C 07 C	331/00			237/00			217/00			225/00			223/00			
		381/00			239/00			221/00		C 09 B	11/02			225/00			
80-84	C 07 C	303/00			321/00			223/00	330-334	C 07 C	211/00			215/00			
		307/00			323/00			225/00		C 09 B	11/02			215/00			
		309/00			381/00	288-290	C 07 C	211/00	335	C 07 C	211/00			217/00			
		311/00	193-224	C 07 C	233/00	291	C 07 C	211/00			321/00			215/00			
85	C 07 C	321/00			235/00			221/00			323/00			215/00			
		323/00			237/00			223/00			381/00			213/00			
		381/00			239/00			225/00		C 09 B	11/02			215/00			
86-99	C 07 C	303/00	225,226	C 07 C	257/00	292	C 07 C	213/00	336-338	C 07 C	211/00			217/00			
		307/00	227,228	C 07 C	281/00			215/00	339	C 07 C	213/00			215/00			
		309/00	229	C 07 C	249/00			217/00			215/00			221/00			
		311/00			251/00			221/00			223/00			223/00			
100-102	C 07 C	313/00			259/00			223/00			225/00			321/00			
103	C 07 C	261/00			291/00			225/00	340,341	C 07 C	213/00			323/00			
		269/00	230-242	C 07 C	277/00	293	C 07 C	213/00			323/00			381/00			
		271/00			279/00			217/00			221/00			223/00			
104	C 07 C	277/00	243-247	C 07 C	257/00	294	C 07 C	213/00	342-345	C 07 C	213/00			225/00			
		279/00	248	C 07 C	249/00			215/00			215/00			221/00			
105,106	C 07 C	261/00			251/00			217/00			223/00			225/00			
		269/00			257/00			221/00	346-354	C 07 C	213/00			215/00			
		271/00			263/00			223/00			217/00			215/00			
107	C 07 C	241/00			265/00			225/00			215/00			319/00			
		243/00			267/00	295	C 07 C	211/00	355	C 07 C	209/00			331/00			
108	C 07 C	249/00			291/00			221/00	356-359	C 07 C	213/00			381/00			
		251/00	249-251	C 07 C	241/00			223/00			215/00			325/00			
		257/00			243/00			225/00			217/00			321/00			
		263/00			249/00	296	C 07 C	209/00			213/00			381/00			
		265/00			251/00			221/00	360	C 07 C	213/00			315/00			
		267/00	252	C 07 C	257/00			223/00			215/00			317/00			
		277/00			263/00			225/00			217/00			319/00			
		279/00			265/00	297-299	C 07 C	291/00	361-364	C 07 C	215/00			321/00			
		291/00			267/00	300,301	C 07 C	239/00	365	C 07 C	213/00			323/00			
109-113	C 07 C	241/00			291/00			259/00			217/00			381/00			
		243/00			249/00	302	C 07 C	209/00	366-374	C 07 C	211/00			315/00			
114	C 07 C	249/00	253-268	C 07 C	251/00			57/00		C 07 C	209/00			317/00			
115	C 07 C	251/00			259/00	303,304	C 07 B	211/00		C 07 C	211/00			321/00			
		257/00			291/00	305-309	C 07 C	241/00		C 07 C	209/00			323/00			
		263/00			11/02	310-314	C 07 C	243/00		C 07 C	211/00			331/00			
		265/00	269	C 07 C	249/00			249/00		C 07 C	213/00			381/00			
		267/00			251/00			251/00			215/00						
		291/00															

U.S. Class 568

PART OF THE CLASS 532-570 SERIES --
ORGANIC COMPOUNDS

1-7	C 07 F	5/02
		9/02
8-17	C 07 F	9/02
18,19	C 07 C	315/00
		317/00
		319/00
		331/00
		381/00
20	C 07 C	325/00
21-26	C 07 C	321/00
		323/00
		381/00
27-37	C 07 C	315/00
		317/00
38-73	C 07 C	319/00
		321/00
		323/00
		381/00
74	C 07 C	315/00
		317/00
		321/00
		323/00
		331/00
		381/00

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 568—Con.														
75,76	C 07 C	331/00	419	C 07 C	49/20	719,720	C 07 C	39/12	828	C 07 C	35/08	888	C 07 C	29/12
		381/00			49/167	721	C 07 C	39/17	829	C 07 C	35/12			31/04
	C 07 G	17/00			49/173	722	C 07 C	39/12	830	C 07 C	27/00			31/12
	C 09 B	49/00			49/227	723	C 07 C	39/16			29/00	889	C 07 C	29/12
		59/00	420	C 07 C	47/00	724,725	C 07 C	37/68			35/12			31/10
77	C 07 C	331/00	421,422	C 07 C	47/00	726	C 07 C	39/16	831	C 07 C	31/13	890	C 07 C	29/12
		381/00			47/02	727	C 07 C	39/12	832	C 07 C	35/08			31/08
	C 07 G				47/04	728	C 07 C	39/16	833	C 07 C	35/14	891	C 07 C	27/00
	C 09 B	49/00			47/058	729-734	C 07 C	39/12			35/16			29/00
300	C 07 C				47/09	735,736	C 07 C	39/14	834	C 07 C	35/08	892	C 07 C	33/02
301	C 07 C	45/87	423,424	C 07 C	205/00	737	C 07 C	39/38	835	C 07 C	29/20	893,894	C 07 C	27/00
		49/00			207/00	738	C 07 C	37/04			35/08			29/00
		49/88			47/52	739	C 07 C	37/02	836,837	C 07 C	35/08			29/00
		49/90			47/54	740	C 07 C	37/00	838	C 07 C	35/06	895-897	C 07 C	29/04
		49/88			47/542			37/06	839	C 07 C	35/04	898	C 07 C	27/08
302	C 07 C	45/87	426-438	C 07 C	45/00	741	C 07 C	37/00	840	C 07 C	29/00	899	C 07 C	29/06
		49/00			45/90	742	C 07 C	37/68			31/00	900,901	C 07 C	29/04
		49/88	439-441	C 07 C	47/52	743	C 07 C	39/17			31/02	902	C 07 C	27/00
303	C 07 C	49/00			47/546	744-747	C 07 C	39/12			33/00			29/00
		49/105			47/57	748-757	C 07 C	37/68	841,842	C 07 C	31/34	902.2	C 07 C	27/00
		49/21	442	C 07 C	47/56	758-762	C 07 C	37/68	843	C 07 C	33/42			29/00
		49/385			47/565			37/82	844	C 07 C	31/34			31/02
		49/587	443-447	C 07 C	47/575	763-765	C 07 C	39/10	845	C 07 C	33/42	903	C 07 C	27/00
304	C 07 C	45/78			45/00	766	C 07 C	37/00	846-848	C 07 C	29/00			27/04
305-307	C 07 C	205/00			47/28			39/06			31/34			29/00
		207/00			47/38			39/10	849	C 07 C	33/42	904-906	C 07 C	27/00
308	C 07 C	49/213	448	C 07 C	47/42	767	C 07 C	37/00	850	C 07 C	29/00			29/00
		49/225	449-469	C 07 C	47/02			37/045			31/34	907	C 07 C	27/00
		49/563	469.9	C 07 B	45/00	768	C 07 C	37/08	851	C 07 C	31/30			27/18
		49/76			41/00	769	C 07 C	37/04	852	C 07 C	31/18			29/00
309-324	C 07 C	45/00			27/10	770	C 07 C	37/00	853	C 07 C	31/18			29/10
325	C 07 C	49/105			45/00			37/02			31/24	908	C 07 C	33/02
		49/163			45/27	771	C 07 C	37/00	854	C 07 C	27/26	909	C 07 C	27/20
		49/213	470-493	C 07 C	45/32	772	C 07 C	37/00			29/74			27/22
		49/225	494-497	C 07 C	45/00			37/06	855	C 07 C	31/18			27/24
		49/233			47/02	773	C 07 C	37/00			33/04			29/15
		49/245			47/12	774,775	C 07 C	39/24	856	C 07 C	27/26			29/00
		49/563			47/14			39/34			29/74	909.5	C 07 C	33/00
		49/657			47/19	776,777	C 07 C	39/32	857	C 07 C	31/18			33/02
		49/697			47/198			39/34			33/02	909.8	C 07 C	29/00
		49/747	557	C 07 C	47/26			39/36	858	C 07 C	27/00			31/00
		49/792			41/00	778,779	C 07 C	39/24			27/02			31/02
326-328	C 07 C	49/115	558-573	C 07 C	43/00	780	C 07 C	39/06	859	C 07 C	27/00			33/00
		49/215	575-578	C 07 C	409/00			39/18			29/00	910	C 07 C	27/10
		49/782	579-582	C 07 C	409/00	781	C 07 C	39/06			31/18			27/12
		49/796			43/00	782,783	C 07 C	37/00	860	C 07 C	29/03			27/14
		49/813	583-590	C 07 C	43/00	784	C 07 C	39/06	861	C 07 C	27/00			27/16
329,330	C 07 C	49/83			205/00	785-794	C 07 C	37/00			29/00	910.5	C 07 B	41/02
		49/23	591-601	C 07 C	43/30			37/14			31/18			27/10
		49/237			43/32			37/16	862	C 07 C	27/04			27/12
		49/252	602	C 07 C	41/00			37/18			29/14			27/14
		49/798			43/00			37/20			31/18			27/16
331-337	C 07 C	49/76	603-605	C 07 C	43/30	795	C 07 C	37/00	863	C 07 C	27/00			29/48
		49/786			43/32			37/04			27/04	911,912	C 07 C	27/10
		49/82	606-625	C 07 C	43/11	796,797	C 07 C	37/02			29/14			27/12
		49/825			43/18			37/08			31/18			27/14
		49/84			43/20	798	C 07 C	37/00			27/00			27/16
338-366	C 07 C	45/00	626-663	C 07 C	41/00	799	C 07 C	37/00	864	C 07 C	27/00			27/26
367-381	C 07 C	49/105			43/02			37/06			27/04	913	C 07 C	29/74
		49/293			43/20	800-806	C 07 C	37/00	865,866	C 07 C	31/18	914-916	C 07 C	27/26
		49/297	664-670	C 07 C	41/00	807-809	C 07 C	33/34			27/00			29/88
		49/385			43/02			33/36			29/00	917	C 07 C	27/34
		49/403			43/18			33/38			31/18			29/76
		49/413	671-699	C 07 C	41/00	810	C 07 C	29/74	867	C 07 C	27/00	918,919	C 07 C	27/34
		49/417			43/00	811	C 07 C	33/26			29/00			29/86
		49/433	700	C 07 C	27/10			33/28	868	C 07 C	27/26	920-922	C 07 C	27/26
		49/437			29/10	812	C 07 C	33/46			29/74			27/74
		49/587			35/00	813	C 07 C	33/28			31/18	923	C 07 C	27/26
		49/613			35/02	814	C 07 C	27/00	869,870	C 07 C	27/26			29/78
382	C 07 C	49/04			35/04			27/04			29/74			201/00
		49/20	701	C 07 C	27/26			29/00			31/22	924,925	C 07 C	205/00
383-398	C 07 C	45/00			29/94			29/14	871,872	C 07 C	27/26			
398.8	C 07 B	41/04	702,703	C 07 C	27/26	815	C 07 C	27/00			29/74	926	C 07 C	205/00
	C 07 C	27/10			29/94			27/10	873,874	C 07 C	33/04	927-941	C 07 C	205/00
		45/00			37/88			29/00	875	C 07 C	35/00	942	C 07 D	205/00
		45/27	704-713	C 07 C	205/00	816	C 07 C	35/21	876	C 07 C	27/00	943-948	C 07 C	205/00
		45/32	714	C 07 C	35/42	817,818	C 07 C	35/22			27/02	949	C 07 C	207/00
399-411	C 07 C	45/00	715	C 07 C	33/18	819,820	C 07 C	35/22	877	C 07 C	27/02	950-957	C 07 B	41/00
412,413	C 07 C	49/12			33/34			35/24	878,879	C 07 C	27/00			27/10
		49/17	716	C 07 C	39/00			35/26			27/18	958	C 07 C	27/26
		49/175			39/02			35/28	880-882	C 07 C	29/14	959	C 07 C	27/00
414-416	C 07 C	49/04			39/04			35/30	883	C 07 C	29/16			
		49/17	717	C 07 C	39/12	821	C 07 C	35/20	884,885	C 07 C	27/04			
		49/175	718	C 07 C	39/12	822	C 07 C	35/08	886	C 07 C	29/12			
417,418	C 07 C	49/04			39/16	823-827	C 07 C	35/18	887	C 07 C	29/10			

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U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 570					21/18			17/152			21/00	255	C 07 C	2/74
PART OF THE CLASS 532-570 SERIES --					21/20			17/154			23/00	256	C 07 C	4/22
ORGANIC COMPOUNDS					21/22			17/158			25/00	257	C 07 C	5/02
			163	C 07 C	17/00	224,225	C 07 C	17/15	252-255	C 07 C	17/10	258	C 07 C	7/163
101	C 07 C	17/00			19/08			17/152			17/16	259-262	C 07 C	5/03
		19/00			21/18			17/158			17/18			5/08
		21/00			23/00	226-229	C 07 C	17/34			17/22			7/163
		23/00			25/13			21/00			19/00			7/167
		25/00	164-169	C 07 C	17/00			17/10	256	C 07 C	17/00	263-265	C 07 C	5/00
102-122	C 07 C	17/42			17/08	230	C 07 C	21/00			19/00	266	C 07 C	5/10
123	C 07 C	17/00			19/08			21/02			21/00			13/465
		19/08	170	C 07 C	17/20			21/19	257	C 07 C	17/26	267	C 07 C	5/00
		21/18			19/08			17/02			17/28	268	C 07 C	5/03
		23/00	171	C 07 C	17/26	231	C 07 C	17/04			17/30	269,270	C 07 C	5/10
		25/13			17/28			17/06			17/32	271-274	C 07 C	5/05
124	C 07 C	19/08			17/30			17/08			19/00	275-277	C 07 C	5/02
		21/18			17/32			21/00			17/00			5/03
		23/00	172	C 07 C	17/28			21/02	258	C 07 C	17/16	300-332	C 07 C	1/00
125,126	C 07 C	17/02			21/18	232,233	C 07 C	17/02			19/00			2/00
		17/04	173	C 07 C	17/33			17/04	259	C 07 C	17/00			4/00
		17/08			19/08			17/06			19/00			5/00
		21/18			21/20			17/08	260	C 07 C	17/20			6/00
127-133	C 07 C	19/08			21/22			21/00			19/00			13/00
		22/00			17/00			21/02	261	C 07 C	17/00	350	C 07 C	403/00
		25/13	174	C 07 C	19/07			21/22			17/36	351	C 07 C	13/28
134	C 07 C	19/08			19/08	234	C 07 C	17/10			19/00	352	C 07 C	4/08
135,136	C 07 C	21/18			17/00			17/16			23/00	353	C 07 C	5/29
137	C 07 C	19/00	175	C 07 C	19/08			17/18	262,263	C 07 C	17/38			5/31
		19/07			21/18			17/22	264	C 07 C	17/42			13/00
		19/08			21/20			21/00				354	C 07 C	5/31
		21/14			21/22			21/02				355,356	C 07 C	13/15
		21/16	176	C 07 C	17/10			21/22						5/31
		21/18			19/08	235	C 07 C	17/00	U.S. Class 585					13/18
138,139	C 07 C	17/00			21/18			21/00	CHEMISTRY, HYDROCARBONS					13/20
		17/02			21/20	236	C 07 C	17/00						13/23
		17/04			21/22			19/00	1-5	C 07 C	7/20			403/00
		17/08			17/38			21/02				357,358	C 07 C	1/20
140-142	C 07 C	19/08	177-180	C 07 C	17/00			21/19			105/02			1/32
		21/18	181	C 07 C	19/00			21/22			109/00	359	C 07 C	1/207
143-147	C 07 C	22/00			21/00			17/26			111/00	360	C 07 C	2/76
		25/13			23/00	237	C 07 C	17/38			115/02			13/28
148,149	C 07 C	19/08			25/00			21/00			119/00			403/00
		21/18	182-185	C 07 C	22/00			21/02			121/00	361	C 07 C	2/50
		23/00			25/00			21/19			127/00	362	C 07 C	403/00
150	C 07 C	17/00	186	C 07 C	17/00			21/22			159/00	363	C 07 C	5/25
		19/08			19/08			21/00			3/00	364	C 07 C	2/42
		21/18			21/18	238,239	C 07 C	17/38	6	C 10 L	3/22	365	C 07 C	5/31
		21/20			23/00			21/00	6.3,6.6	H 01 B	1/16	366-370	C 07 C	2/42
		21/22	187,188	C 07 C	17/00			21/02	7-14	C 10 L	5/00			13/02
151	C 07 C	17/00			19/08	240	C 07 C	17/00			101/02	371	C 07 C	2/42
		19/08			21/18			19/00			107/00	372-374	C 07 C	4/06
		21/18			23/18	241	C 07 C	17/00			143/00	375,376	C 07 C	2/02
		23/00	189	C 07 C	21/18			21/00			165/00	377,378	C 07 C	5/23
		25/00			21/20			17/08			167/00	379	C 07 C	5/32
152	C 07 C	17/33			21/22	242	C 07 C	19/00			169/00	380	C 07 C	5/42
		19/08	190-210	C 07 C	17/00			21/00			171/00	400-403	C 07 C	15/02
		21/18			22/00			21/02	15	C 07 C	9/00			403/00
		21/20			25/00			21/19	16	C 07 C	9/00	404	C 07 C	2/02
		21/22	211	C 07 C	17/38			21/22			11/00			2/64
153	C 07 C	17/00			22/00			17/15	17	C 07 C	13/00			4/02
		17/02			25/00	243-245	C 07 C	17/152	18	C 07 C	9/00			6/06
		17/04	212-215	C 07 C	17/00			17/154			11/00	405	C 07 C	2/66
		21/18			19/00			17/158	19	C 07 C	15/00	406	C 07 C	2/74
		21/20			23/00			19/00	20	C 07 C	13/00			13/28
		21/22			25/00			17/02	21,22	C 07 C	13/615			15/52
154	C 07 C	17/02	216,217	C 07 C	17/00	246,247	C 07 C	17/04			13/00	407	C 07 C	15/00
		17/04			17/02			17/08	23	C 07 C	15/00	408	C 07 C	1/00
		17/08			17/10			21/00	24	C 07 C	15/00			15/00
155-158	C 07 C	17/00			21/00			23/00	25	C 07 C	15/12	409	C 07 C	1/20
		17/34			23/00			25/00	26	C 07 C	13/465			15/00
		19/08	218	C 07 C	17/33			17/08			13/48	410	C 07 C	15/00
		21/18			21/00	248	C 07 C	21/00			15/20	411	C 07 C	5/00
		17/02			17/02			23/00	27	C 07 C	13/465			6/00
159	C 07 C	17/04	219	C 07 C	17/04			25/00	240	C 07 C	1/00			15/00
		17/08			17/08			17/08			4/00	412,413	C 07 C	15/00
		21/18			21/00	249	C 07 C	17/00			1/00	414	C 07 C	15/42
160	C 07 C	17/20			23/00	250	C 07 C	17/08			1/00	415,416	C 07 C	15/00
		21/18	220	C 07 C	17/34			21/00	241	C 07 C	4/00	417	C 07 C	2/00
		21/20			21/00			23/00			1/00			6/00
161	C 07 C	17/00			21/02			25/00	242	C 10 G	1/00	418-421	C 07 C	2/52
		19/08	221	C 07 C	17/34	251	C 07 C	17/02			5/00			6/00
		21/18			21/22			17/04	250,251	C 07 C	5/373	422-424	C 07 C	2/02
162	C 07 C	17/00	222	C 07 C	17/156			17/08	253	C 07 C	5/22			6/12
		19/08	223	C 07 C	17/15			17/10	254	C 07 C	5/00	425	C 07 C	13/28

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U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC			
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	
U.S. Class 585—Con.						1/207	30-32	A 61 F	2/02	288	A 61 K	9/02		2/68	
		13/38	612	C 07 C	1/26	33-35	A 61 B	17/43			A 61 M	31/00	66	A 61 F	2/54
		15/14	613	C 07 C	4/02		A 61 D	7/00	289,290	A 61 M	35/00	900	A 61 F	2/24	
426	C 07 C	2/02	614,615	C 07 C	2/78	36	A 61 F	2/04	291	A 61 F	7/00			2/76	
		15/12			4/04	37	A 61 F	2/00	292-300	A 61 M	35/00				
427	C 07 C	2/02			4/06			13/00	301-303	A 61 H	33/04				
428,429	C 07 C	2/72			11/16				304-306	A 61 F	13/00				
430	C 07 C	5/367			11/167				307	A 61 F	13/02	U.S. Class 800			
		13/00			11/18	U.S. Class 604						MULTICELLULAR LIVING ORGANISMS			
		15/00	616-633	C 07 C	11/20	SURGERY						AND UNMODIFIED PARTS THEREOF			
		15/16			5/09				309-311	A 61 M	35/00				
431,432	C 07 C	5/32	634	C 07 C	5/327				312	A 61 F	7/00	1	A 01 H	5/00	
		15/20			2/00	1-3	A 61 M	35/00	313-327	A 61 M	1/00			5/02	
433	C 07 C	5/42	635,636	C 07 C	5/00	4-6	A 61 M	37/00	328-355	A 61 F	5/44			5/04	
434	C 07 C	5/41			2/00	7-10	A 61 M	5/00	356,357	A 61 B	19/00			5/06	
435	C 07 C	5/09			4/00	11-18	A 61 F	13/20	358-386	A 61 F	13/15			5/08	
		15/40			5/00	19-21	A 61 N	1/30	387-402	A 61 F	13/15			5/10	
436	C 07 C	1/207	637	C 07 C	6/00	22	A 61 B	17/20	403-410	A 61 B	19/00			5/12	
437	C 07 C	1/20	638-642	C 07 C	2/88	23-26	A 61 M	37/00	411-416	A 61 B	19/00			7/00	
		1/32	643-647	C 07 C	1/00	27-35	A 61 M	1/00		A 61 M	5/32			9/00	
438	C 07 C	15/46	648-653	C 07 C	6/00	36-38	A 61 M	5/178	890.1-892.1	A 61 K	9/22			11/00	
439	C 07 C	4/24	654-658	C 07 C	4/02	39-42	A 61 M	3/02	906	A 61 B	17/43			13/00	
440-443	C 07 C	4/02			5/327	43-45	A 61 M	3/00		A 61 D	19/02			15/00	
		5/333	659-663	C 07 C	5/373	46,47	A 61 B	17/20						17/00	
		5/367	664-670	C 07 C	5/333		A 61 M	37/00	U.S. Class 623						
		5/393			5/23	48-57	A 61 M	31/00	PROSTHESIS (I.E., ARTIFICIAL BODY						
444,445	C 07 C	2/64	671	C 07 C	5/25	58	A 61 M	13/00	MEMBERS, PARTS THEREOF OR AIDS						
		4/06			5/27	59-67	A 61 M	31/00	AND ACCESSORIES THEREFOR						
446-453	C 07 C	2/64	700-707	C 07 C	5/27	68-72	A 61 M	5/30	U.S. Class 901						
		15/067			2/00	73-76	A 61 M	1/06	ROBOTS						
454	C 07 C	1/00	708	C 07 C	4/00	77-79	A 61 J	7/00	1	A 61 F	2/06	1	B 25 J	5/00	
		1/20	709-720	C 07 C	5/00	80,81	A 61 M	5/14	2	A 61 F	2/24	2-4	B 25 J	9/00	
		2/86	721-732	C 07 C	6/08	82-92	A 61 M	37/00	3	A 61 M	1/10	5	B 25 J	9/00	
455	C 07 C	2/64	733	C 07 C	2/56	93,94	A 61 M	11/00	4,5	A 61 F	2/14			13/06	
		15/107	734-751	C 07 C	2/58	95	A 61 M	37/00	6	A 61 F	2/16	6-8	B 25 J	11/00	
456,457	C 07 C	2/66	752	C 07 C	1/00	96-109	A 61 M	29/00	7	A 61 F	2/52	9,10	B 25 J	9/00	
458	C 07 C	2/66			5/13	110-112	A 61 M	5/00	8	A 61 F	2/12	11-27	B 25 J	11/00	
		2/70			4/02	113,114	A 61 F	7/12	9	A 61 F	2/20	28	B 25 J	17/00	
459-463	C 07 C	2/70			4/08		H 05 B		10	A 61 F	2/18	29	B 25 J	17/02	
464,465	C 07 C	2/68	800-811	C 07 C	6/00	115-117	A 61 M	5/00	11	A 61 F	2/02	30	B 25 J	11/00	
		2/70	812-817	C 07 C	7/00	118-129	A 61 M	1/00	12	A 61 F	2/04	31	B 25 J	15/00	
466-468	C 07 C	2/68	818,819	C 07 C	7/14	130	A 61 M	5/20	13,14	A 61 F	2/08	32-35	B 25 J	15/02	
469	C 07 C	1/20	820-831	C 07 C	7/12	131-133	A 61 M	37/00	15	A 61 F	2/10	36-39	B 25 J	15/00	
470-475	C 07 C	5/22	832	C 07 C	7/148	134-139	A 61 M	37/00	16	A 61 F	2/28	40	B 25 J	15/06	
		5/52			7/177	140-145	A 61 M	1/00	17	A 61 F	2/44	41-45	B 25 J	11/00	
		15/12	833-844	C 07 C	7/10	146	A 61 M	37/00	18	A 61 F	2/30	46-49	B 25 J	19/00	
476	C 07 C	4/24	845-849	C 07 C	7/148	147-150	A 61 M	1/00	19	A 61 F	2/40	50	B 25 J	11/00	
		4/26	850	C 07 C	7/152	151-153	A 61 M	37/00	20	A 61 F	2/38				
		5/29	851-855	C 07 C	7/00	154,155	A 61 M	5/20	21	A 61 F	2/42				
		5/31	856-859	C 07 C	7/17	156,157	A 61 M	5/178	22	A 61 F	2/32				
477-482	C 07 C	5/22	860-868	C 07 C	7/00	158-161	A 61 M	5/32	23	A 61 F	2/36	U.S. Class 902			
483-489	C 07 C	4/12	899	C 07 C	7/20	162,163	A 61 M	5/178	24	A 61 F	2/48	ELECTRONIC FUNDS TRANSFER			
500,501	C 07 C	2/00				164-170	A 61 M	5/00	25	A 61 F	2/70				
		5/00				171-173	A 61 M	5/32	26	A 61 F	2/72				
502-508	C 07 C	2/02	U.S. Class 600			174-180	A 61 M	5/00	27	A 61 F	2/74	1	E 05 G		
509	C 07 C	2/18	SURGERY			181,182	A 61 M	5/00	28	A 61 F	2/60	2	G 06 F	7/00	
		2/36				183-186	A 61 M	5/178	29	A 61 F	2/60		H 04 L	9/00	
510	C 07 C	2/04				187,188	A 61 M	5/00			3/00	3	G 06 K	9/00	
511	C 07 C	2/26				189	A 61 M	3/00	30	A 61 F	2/60	4	G 06 F	13/00	
		2/34	1	A 61 N	5/00			5/00			2/78		G 06 K	9/00	
512-516	C 07 C	2/24	2	A 61 N	5/02	190,191	A 61 M	5/32	31	A 61 F	2/60	5	G 06 K	9/00	
517-533	C 07 C	2/02	3	A 61 N	5/00	192-199	A 61 M	5/24			2/68	6	H 04 N	7/18	
534-537	C 07 C	2/00	4	A 61 M	3/00	200-206	A 61 M	5/28	32,33	A 61 F	2/60	7	G 07 D	7/00	
		4/04						5/00			2/78	8	G 07 F	7/08	
538,539	C 07 C	5/32	5,6	A 61 N	5/00	207-211	A 61 M	5/178	34-38	A 61 F	2/80		G 07 G	1/14	
		2/02	7,8	A 61 M	36/00	212-217	A 61 M	5/315	39	A 61 F	2/62	9,10	E 05 G	1/00	
		4/02				218-231	A 61 M	5/00	40	A 61 F	2/64	11	B 07 C		
540	C 07 C	11/00	9	A 61 B	17/52	232-235	A 61 M	5/315	41-46	A 61 F	2/64	12,13	B 65 H	1/00	
		2/78	10	A 61 N	2/00	236-238	A 61 M	5/00			2/68	14	G 07 D	1/00	
		4/06	11	A 61 B	17/52	239-243	A 61 M	5/31	47	A 61 F	2/64		G 07 F	7/08	
541	C 07 C	11/00	12	A 61 M	37/00	244-250	A 61 M	5/00	48-50	A 61 F	2/66	15	B 65 H		
		2/78				251-256	A 61 M	5/00	51-53	A 61 F	2/66	16,17	B 65 H	7/12	
600	C 07 C	11/00	13-15	A 61 N	1/00			5/14			2/68		G 06 M	7/00	
		2/00	16-18	A 61 N	1/362	257-263	A 61 M	5/00	54-57	A 61 F	2/66	18,19	B 41 F		
		4/00	19	B 64 D	47/00	264	A 61 M	5/00	58	A 61 F	2/54		B 41 J		
		5/00		B 64 G	9/00			25/00	59	A 61 F	2/54		B 41 L		
601,602	C 07 C	11/21	20	B 64 D	10/00	265,266	A 61 M	5/32			2/68	20,21	G 06 F	3/00	
		2/76		B 64 G	6/00			25/00			2/78		G 10 L		
		2/78	21	A 61 G	10/00	267-269	A 61 M	25/00	60	A 61 F	2/58	22	G 07 G	1/14	
		5/08			10/02	270	A 61 M	31/00	61	A 61 F	2/58	23	G 06 F	15/28	
		11/00	22	A 61 G	11/00	271	A 61 M	5/00			2/68	24	G 06 F	15/30	
603	C 07 C	1/00	23,24	A 61 F	5/58	272-274	A 61 M	5/32	62	A 61 F	2/58	25	G 06 K	19/00	
604,605	C 07 C	1/20	25	H 04 R	25/00	275-279	A 61 M	31/00	63	A 61 F	2/58	26	G 06 K	19/02	
		1/32	26-28	A 61 M	21/00	280-284	A 61 M	25/00			2/68	27,28	G 06 K	19/06	
606-611	C 07 C	1/20	29	A 61 F	2/00	285-287	A 61 M	31/00	64,65	A 61 F	2/54		G 11 B	5/62	

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 902—Con.			30-35	A 47 B		37	G 06 F		U.S. Class 935					
29	G 06 K	11/00		B 61 B		38	G 06 F	11/00	GENETIC ENGINEERING: RECOMBINANT DNA TECHNOLOGY, HYBRID OR FUSED CELL TECHNOLOGY AND RELATED MANIPULATIONS OF NUCLEOTIC ACIDS					
		13/00		B 65 G		39	G 06 F	7/04						
	G 11 B	5/84		E 05 G	7/00	40,41	G 06 F							
			36	E 01 B								1	C 12 N	15/00

